

Basement
Stacks

THE NATIONAL Provisioner

THE MAGAZINE OF THE
Meat Packing and Allied Industries

Volume 89

DECEMBER 30, 1933

Number 27



Our sincere wishes to all

our friends for a

**Happy and Prosperous
New Year**



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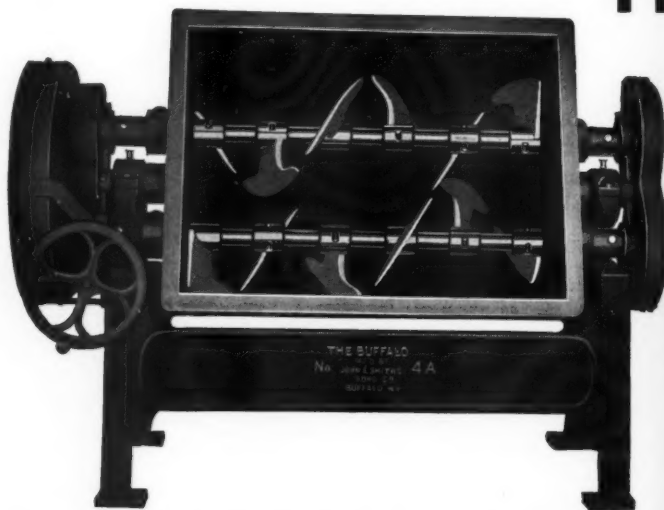
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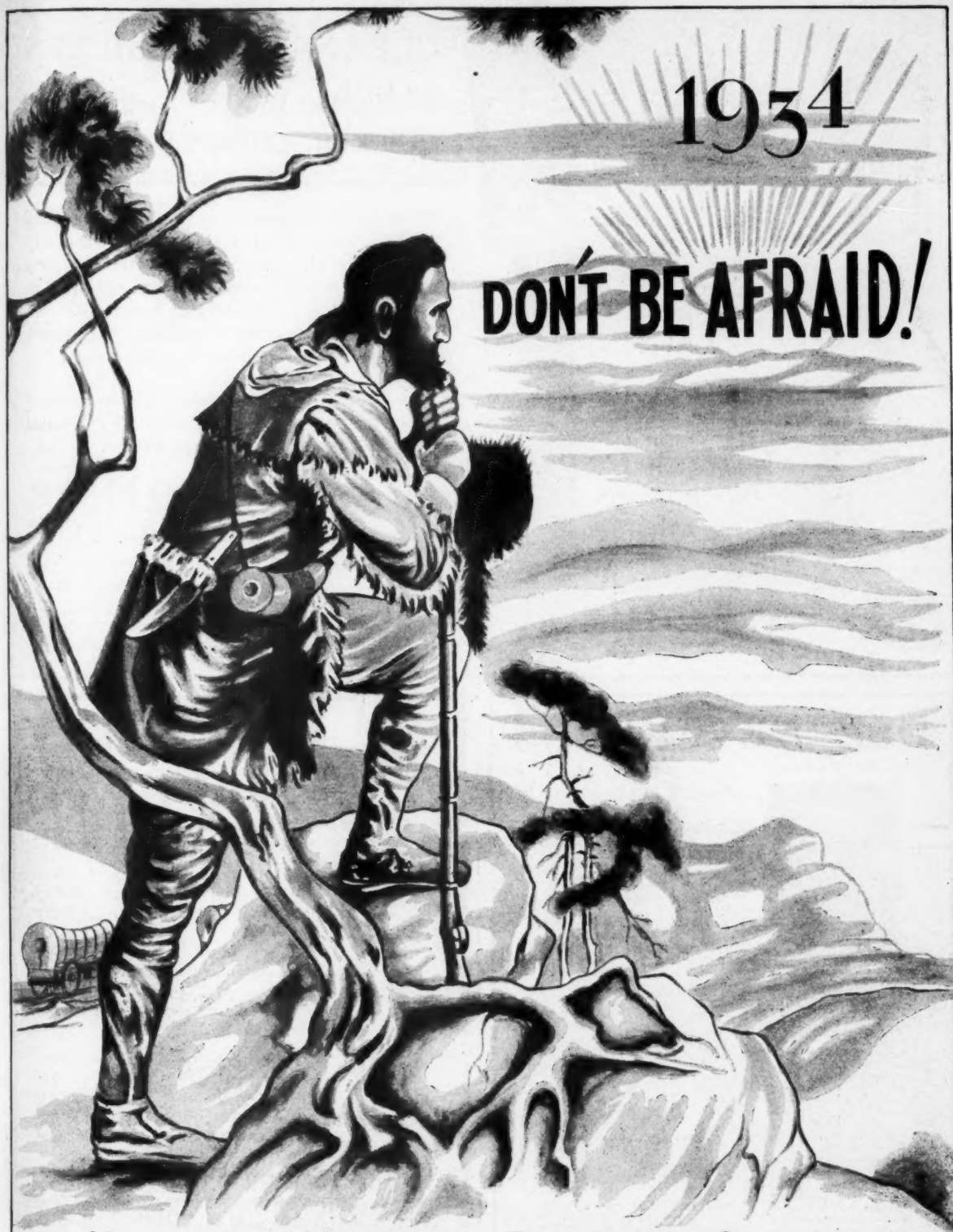
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protect product, profit

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Made by the oldest manufacturer of stockinettes, they are full weight and highest quality. Quality considered, they are the cheapest ham bags you can buy. *Immediate service and delivery!*

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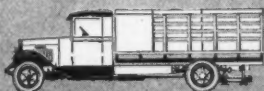
1/2-ton Model A-1; wheelbase 136 in.



Model M-2, for door-to-door delivery.



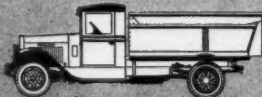
1 1/2-ton Model A-2; wheelbases 136 and 160 in.



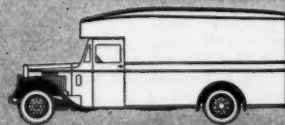
1 1/2-ton Model B-3; wheelbases 136 and 160 in.



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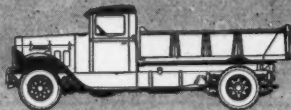
2-ton Model A-4; wheelbases 145, 156, 170 and 185 in.



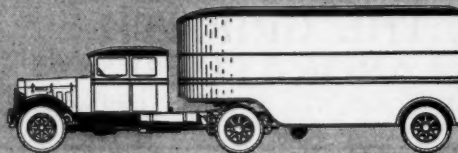
3-ton Model A-5; wheelbases 140, 156, 170, 190 and 210 in.



3-ton Model A-6 wheelbases 140, 156, 170, 190 and 210 in.



5 to 7 1/2-ton Model A-7; wheelbases 160, 180, 200 and 225 in.



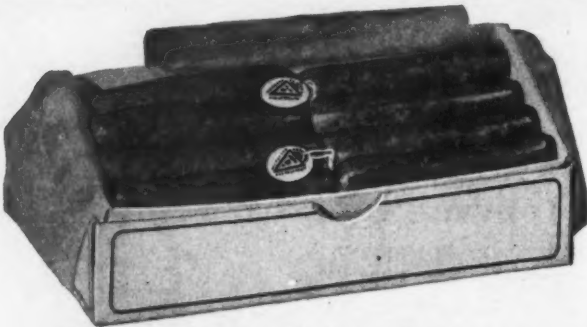
7 1/2-ton Model A-8; wheelbases 160, 180, 200 and 225 in. Shown with semi-trailer.



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are made of Emulsified Essential Oils, Essences and Extracts.

Oils and Extracts are natural spice products. They are compounded by the best chemists in the latest known methods. You can use them safely. You can save half your cost of seasonings.

THE IDEAL FLAVORY SPICE
Add your *Liquid Spices* in the chopper or mixer.

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This package looks good. This box of pure Pork is good. It is seasoned with GRIFFITH'S Liquid Pork "C" Seasoning. Order Pork "C" (Liquid) and hold the color. A bright color is important.

You can get your share of this trade if you use GRIFFITH'S Pork "C" Seasoning.



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SUPERIOR FEATURES

MEAT, WATER & AIR TIGHT

Strong, heavy, LEAKPROOF construction guarantees long life. Piston adjustable for wear—insures perfect performance at all times and cuts amount of air pressure necessary. Casing losses reduced! Made in 100, 200, 400 lbs. capacities; designed for speedy production.

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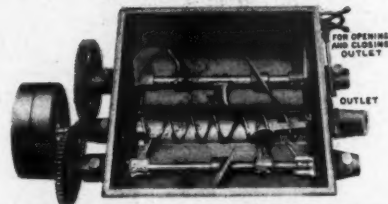
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331 N. 2nd St., Philadelphia, Pa.

A New and Better Mixer

Mixes, Empties, Fills, Stuffs, Forms
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THE HOTTMANN MACHINE CO.

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Fig. 1091 "Hallowell"
Meat Truck

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Incorporates every up-to-date improvement; is perfectly sanitary and so sturdy and strong it will outwear other makes.

Furnished heavily galvanized or of Monel Metal, as preferred. Write for BULLETIN 449 covering our complete line of "HALLOWELL" Packing Plant Equipment.

**STANDARD
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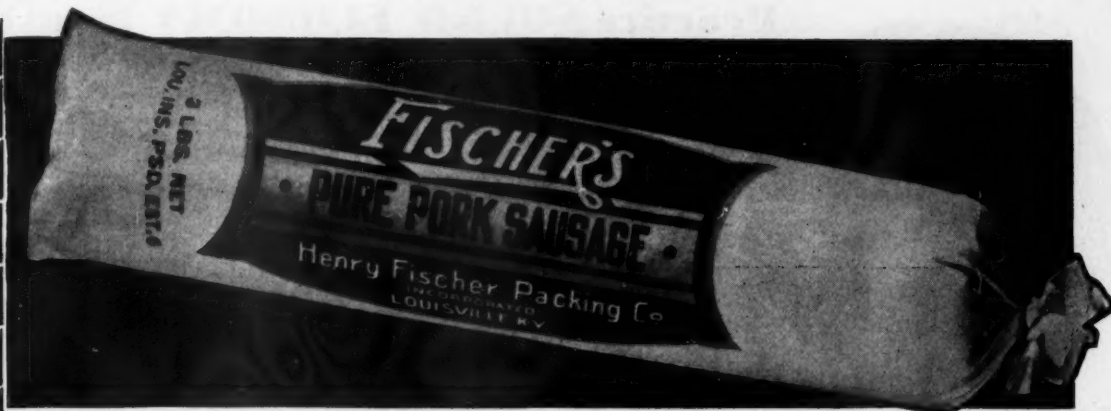
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**STEEL
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CURING TANKS, BELLY BOXES, AND ALL TYPES OF TRUCKS
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HOW TO SELL MORE PORK SAUSAGE

You can place your Pork Sausage right on the retailer's counter, if you pack in BEMIS Parchment-Lined Sausage Bags. Sausage in these neat, white containers creates an impression of old-fashioned, home-made goodness and flavor. If you make "country style" pork sausage, here is the ideal display package to use.

BEMIS Parchment-Lined Bags are made of sanitary white bleached muslin, lined with genuine vegetable parchment. All the juices, flavor and goodness of the sausage are sealed inside this ideal package.

The bags have round bottoms, and are unusually easy to pack,—only one end to close. They save time and money, and help keep down production costs. Furthermore, they will not wrinkle or sweat.

Your brand name printed on the bags stands out plainly and attractively. All in all, BEMIS Parchment-Lined Bags are A-1 "counter salesmen" and will sell more pork sausage for you. Try them this season.

Write Today for Samples

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MEAT BAGS & COVERS



Practice SOUND ECONOMY by using
C. D. Angle-Hole Reversible Grinder Plates and O. K. Knives
with Changeable Blades

Many have asked us how we have been able to constantly increase our sales, in spite of current business conditions. The answer is simple—SOUND ECONOMY is no longer something men talk about. It is something that all the large packers and thousands of sausage manufacturers have learned through PRACTICE; namely, that it is SOUND ECONOMY to use the C. D. Angle Hole Reversible Grinder Plates and O. K. Knives with Changeable Blades. Do not delay. Send today for price list information.



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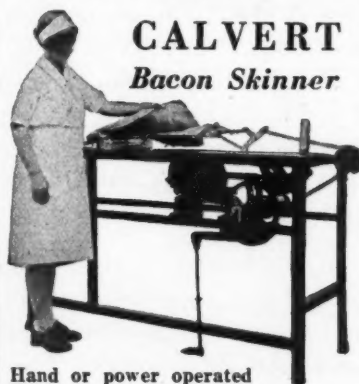
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BAYSTEEN

Wm J. Stange Co.
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CUTTING COSTS—BUILDING PROFITS! — in
more than 225 plants

To determine the efficiency of a machine find out who uses it. More than 225 shrewd packers, intent on cutting costs, have installed CALVERT Bacon Skinners—as many as 50 and 75 in some plants! There must be a reason for such popularity—write for details!



Hand or power operated

THE CALVERT MACHINE CO.
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MARVELOUS SALT GOODNESS
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WE do not believe there is any better salt than salt made by the Alberger Process—a process exclusive to Diamond Crystal Salt. Men who know salt agree with us, for to them the process has long been recognized as the standard of perfection in salt.

To them it is the guarantee of a uniform salt which will always assure them of dependable results.

DIAMOND CRYSTAL SALT COMPANY, (INC.)
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* Made by the exclusive Alberger Process, Diamond Crystal Salt is flaked, and—
 UNIFORM IN COLOR
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DIAMOND CRYSTAL SALT

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RESULT IN PROFITS



Bright color, delicious flavor and appetizing appearance are essential to your meat products if they are to become quality leaders. For absolute assurance of profitable volume, let CHARKETS provide your smokehouse heat.

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To assure reliable, low-cost smokehouse operation, depend entirely upon CHARKETS. Complete data showing the enviable results obtained by progressive packers everywhere will be sent on request. A practical test in your own smokehouse can be arranged without cost or obligation. Write today!

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 CORPORATION**

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Here's a line of Dry Sausage

that is really

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E Gothaer
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 B/C Salami
 (all grades)
 E Milan
 Crescent Milan
 E Peperoni
 E Prosciutti
 E Capacola
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Very few dry sausage houses, indeed, offer a full and complete line. The Circle E Provision Co. is one that does.

In this industry, firms handling the Circle E line have a distinct advantage in that purchasing, bookkeeping, shipments, records, etc., are simplified.

Then too, the quality of Circle E products is of the business-building variety. Reorders follow sales as naturally as night follows day.

Established a great many years, Circle E success is founded upon the success of our customers with Circle E products.

It will pay you to get full details. Write today.

Attractive Offer to Jobbers and Distributors

Even a quality line must provide a fair profit if it deserves handling and sales effort. Circle E offers an arrangement and prices which will please you. Send today for facts and prices.

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CHICAGO, ILLINOIS

THE NATIONAL Provisioner

THE MAGAZINE OF THE
Meat Packing and Allied Industries

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OFFICIAL ORGAN OF THE INSTITUTE OF AMERICAN MEAT PACKERS

Vol. 89. No. 27

DECEMBER 30, 1933

Chicago and New York

Packers Will Aid in Informing Producers on Corn-Hog Reduction Plan

WHILE the meat packing industry reserves its opinion on developments under the plan to reduce corn-hog acreage and hog production, it will cooperate with the government in the effort to inform livestock producers as to the details of the plan.

Speaking through Wm. Whitfield Woods, president of the Institute, the industry makes known its position in the following statement:

"Livestock prices are low because the production of meat during the year, and particularly recent months, has been very large as the result of heavy marketing of livestock, and the increased meat supply has been larger than the consumer, with his relatively low purchasing power, could take at prices satisfactory to the producer.

"For the year as a whole meat production was about a billion pounds heavier than in 1932. This is an increase of 7.6 per cent.

"In November alone the number of livestock dressed exceeded

the number in November, 1932, by about 900,000 head, as the following figures show:

Kind of Livestock.	1933.	1932.	Inc. or Dec.	Per Cent Inc. or Dec.
Cattle	777,000	627,000	150,000	+23.9
Calves	424,000	376,000	48,000	+12.8
Hogs	4,501,030	3,778,000	723,000	+19.1
Sheep and Lambs	1,356,000	1,388,000	32,000	- 2.3

"In December marketings continued to be heavy.

Why Hog Prices Are Low

"With production so heavy, the packing industry has been unable to get better prices for meat. As a matter of fact, pork prices have been lower since the processing tax went into effect because of

the low purchasing power and increased supplies. In fact, it has been impossible to move the increased production into consumption except at lower prices, and as a consequence hog prices have also been low.

"The processing tax has, of course, been a direct factor in current prices. But in fairness it should not be overlooked that from the funds derived from the tax the farmer will receive, in addition to the current price of hogs, a benefit payment from the government if he agrees to reduce corn and hog production, and that

The Month in Pictures

Beginning in January THE NATIONAL PROVISIONER will offer as an added feature in one issue each month a pictorial supplement. This will include illustrations of operating and merchandising developments of practical value, snap-shots of personalities in the industry and other features of human interest to those who have devoted themselves to meat packing and its allied lines. This monthly supplement is intended to be what its name implies, "MEAT INDUSTRY, ILLUSTRATED."

if efforts to reduce supplies are successful, hog prices should be affected accordingly.

"The Administration also has used funds to reduce the supply of hogs for the coming year and is purchasing pork products for relief.

Packing Industry Cooperates

"While there has naturally been some difference of opinion regarding the plan to reduce corn-acreage and hog-production, the plan is now being put into effect, and a trial will determine its practicability.

"The packing industry, while

To Meat Packers:

If your shippers want information on the government's plan for reducing corn-hog acreage and decreasing hog production, you may find this explanation of the plan by the AAA useful in your contacts with them.

reserving the right to express its own views on any development, will help to make the plan fully and fairly understood by those from whom it buys livestock."

What Adjustment Program Offers Corn-Hog Producers

(Statement by the Agricultural Adjustment Administration.)

Corn and hog farmers, like other farmers in the United States, are anxious to obtain their fair share of the national income.

The Corn-Hog Production Adjustment Plan now gives them this chance by providing the machinery for bringing supply into better balance with actual demand.

It is essential that some adjustment be made in both corn and hog production in the United States.

Exports of pork and lard to foreign countries have declined severely in recent years, on account of heavier hog production abroad and higher foreign tariffs. Consequently, an excess of pork and lard, which formerly was exported, now must find an outlet in the home market.

Why Hog Prices Fell

It is this excess of the past few years which has driven hog prices to record low levels at home and has prevented their rise.

There is no immediate prospect for regaining any large portion of our former export trade, and the probable pick-up in home consumption through our present relief and employment program will not be enough to solve our surplus problem.

Although it served to make a timely and prompt reduction in hog supply for the fall and winter of 1933-34, the emergency marketing of light pigs and sows was of only a temporary nature. The basis of real adjustment is a reduc-

tion in the number of litters farrowed and hogs marketed in the future.

We have a corn production problem because we continue to raise enough corn to feed the present excess of hogs. Therefore, when we cut down on hogs we must also make at least a corresponding reduction in corn acreage.

Too Much Corn Raised.

If this is not done, the corn no longer required for hog feeding will become available for other uses and will have a tendency to depress corn prices. Relatively low corn prices then will encourage heavier production of other livestock.

Eventually, farmers will be tempted

to go back to heavier hog production. What we want is a balanced production of meat animals and feed crops, not merely a shift which does not reduce farm output. A reduction in corn acreage will help establish and maintain this balance.

In accepting the Government's offer under the Corn-Hog Adjustment Plan, you agree to the following:

What Farmers Agree to Do.

1. Reduce the acreage planted to corn on the farm you will operate in 1934 to at least 20 per cent (one-fifth) below the average number of acres planted to corn on this farm during the past two years (1932 and 1933).

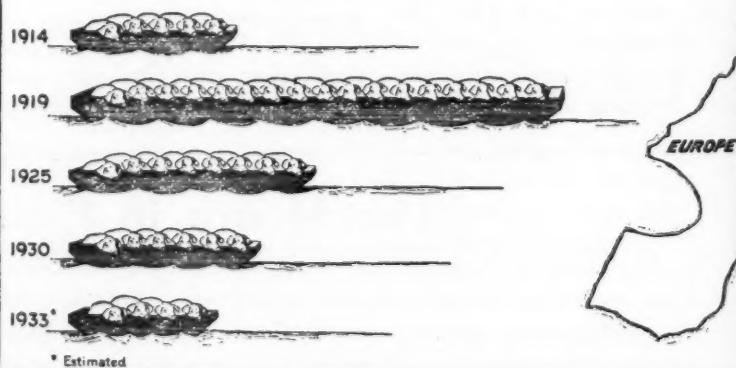
Example: Suppose you grew 95 acres of corn in 1932 and 105 acres in 1933 on the farm you will operate in 1934. This makes an average of 100 acres for the 2-year base period, 1932 and 1933. Under the plan, therefore, you would reduce your corn planted in 1934 to 80 acres; that is, to at least 20 per cent (one fifth) below your average for the two preceding years. Your reduction under this would be 20 acres which you contract to the Government. You may, however, in 1934, retire from corn production as many acres in excess of such 20 per cent as you desire, but corn-reduction payments shall not be made on more than 30 per cent of such average acreage for 1932 and 1933.

2. (a) Reduce the size of your brood-sow herd so that not more than three-fourths as many litters will be farrowed in 1934 as were farrowed on the average by your sows in 1932 and 1933.

(b) Market from these litters not more than three-fourths of the average number of pigs farrowed and marketed (or to be marketed this winter) from your own sows in 1932 and 1933. You also agree not to increase in 1934 the

(Continued on page 24.)

UNITED STATES EXPORTS OF HOG PRODUCTS (Each hog represents 1,000,000 head.)



WHY WE HAVE TOO MANY HOGS.

This graph shows one of the principal reasons for the excess of hog products now depressing the home market. The decline in United States exports since 1919 is equivalent to nearly 13 million market-weight hogs. Europe is approaching a live-at-home basis, but we have not yet adjusted our own hog production to this changed situation.

Beef and Dairy Cattle May Come Under AAA Control Plan

Amendment to the Agricultural Adjustment Act making beef one of the basic agricultural commodities will be sought at the coming session of Congress, according to a statement by Secretary of Agriculture Henry A. Wallace following a White House conference this week.

In addition a fund of some \$200,000,000 will be asked to aid both the beef cattle and the dairy cattle industries.

If this plan meets with success there would be undertaken a program to reduce both beef and dairy cattle production next year, to cut down the existing surplus and to increase beef cattle and dairy products prices, according to administration officials.

A processing tax would be levied to pay benefits to farmers who co-operated by reducing production.

In the case of the beef cattle the alternative would have been a marketing agreement. Another alternative would have been to declare a compensatory tax on beef cattle to insure a fair competitive market for hogs, but this plan has not been favored either by producers or processors.

Fund to Start the Plan

Bringing cattle and dairy products prices to pre-war parity will require a large sum of money, which AAA officials believe can best be obtained through production control and the processing tax.

Farm leaders have decided to ask Congress for a fund of \$200,000,000 to help beef and dairy cattle men. It is believed that this would be used for benefit payments until funds from the processing tax were available for the purpose.

This plan was approved at a conference in Washington on December 22, attended by agricultural leaders, Secretary of Agriculture Wallace and executives of the AAA.

Appeals for Support.

Anticipating the discussion that would take place, the Secretary sent a telegram to members of the Senate and House Agriculture committees, to governors of leading beef cattle and dairy producing states and to other members

of Congress asking their opinion of the proposal to establish the \$200,000,000 fund to aid in financing the cattle adjustment program.

The Secretary's telegram read:

"Acute dairy and beef price situation requires immediate steps to cover the period which must necessarily elapse until consumer ability to buy domestic dairy and beef products is restored. Farm leaders are proposing Congressional action to establish at earliest pos-

sible moment two hundred million dollar fund to be used to supplement receipts from processing taxes in the financing of important programs for production adjustment for dairying and beef industries.

"Advance benefit payments to producers would help tide them over present period in which prices of things they buy are increased while their own income is impaired due to ruinous prices for the products they have to sell. Plan is being discussed at meeting of farm leaders here today. I would appreciate a telegram from you expressing your opinion of the proposal."

The department reports that numerous telegrams supporting the proposal were received in reply.

Hog Processing Tax Is Adjusted

Reduction in the processing tax on live hogs up to March 1, with an increase in the proposed tax after that date, was provided in an order issued by Secretary of Agriculture Wallace on December 22, as announced in THE NATIONAL PROVISIONER of December 23.

Revision of the tax is as follows:

	NEW RATE Per cwt. liv. wt.	OLD RATE Per cwt. liv. wt.
January 1	\$1.00	\$1.50
February 1	1.50	2.00
March 1	2.25	2.00

Reason for the revision was stated to be to prevent accumulation of surplus stocks and depression of farm price of hogs. Action was due in part to heavy marketing of hogs during the winter season, and possibility that the emergency pig slaughter of last fall will not affect these marketings materially until on or after March 1.

Following is the text of the announcement:

Changing the Tax Rate.

The processing tax on live hogs, imposed under the Agricultural Adjustment Act, will remain at \$1.00 per hundredweight, live weight, until February 1, 1934, instead of going to \$1.50 per hundredweight at midnight December 31, 1933, as was provided in the original hog regulations.

A revision of the regulations, extending the one dollar rate of the tax and setting up a new schedule for subsequent increases, was issued by Henry A. Wallace, Secretary of Agriculture, with the approval of the President. The revision reads, in part:

"I do hereby determine that, in order

to effectuate the declared policy of said act, an adjustment of the rate of the processing tax on the first domestic processing of hogs, as of January 1, 1934, February 1, 1934, and March 1, 1934, is necessary.

"Accordingly, in part revision of the third paragraph of hog regulations, series 1, I do hereby determine as of January 1, 1934, that the rate of the processing tax on the first domestic processing of hogs shall be \$1.00 per hundredweight live weight; as of February 1, 1934, that the rate of the processing tax on the first domestic processing of hogs shall be \$1.50 per hundredweight, live weight; as of March 1, 1934, that the rate of the processing tax on the first domestic processing of hogs shall be \$2.25 per hundredweight, live weight, which said rate, as of the effective date thereof, will prevent the accumulation of surplus stocks and depression of the farm price of hogs."

Why It Was Done.

Revision in the processing tax on hogs was made (says the announcement) partly in consideration of the continued large slaughter of hogs, which has had a tendency to depress hog prices. The findings of the Secretary indicated that the payment of the processing tax under the original schedule on the large supplies of hogs during January and February would tend to result in the accumulation of surplus stocks and depression of the farm price of hogs.

According to the Bureau of Agricultural Economics, the federally-inspected slaughter of 4,501,000 head of live hogs during November represented an increase of about 20 per cent over the same slaughter in November, 1932, preliminary estimates indicate that the federally-inspected slaughter through

December will be about as large as last year, and that a reduction in numbers of hogs coming to market, resulting from the emergency hog marketing program last summer, will not be noticeable until January 15, 1934, or after, and probably not to its fullest extent until after March 1, 1934. Most of the pigs which were sold for premium prices during August and September would not have reached the average market weight until some time after the first of the year.

WALLACE WARNS HOG BUYERS.

Secretary Wallace has threatened to use all powers of the farm administration to prevent the evasion of processing taxes by local hog buyers.

In a statement the secretary declared that local hog buyers, small processors, and other purchasers of live hogs for commercial slaughter have been reported to be deducting part or all of the

processing tax from the market price quoted to farmers selling hogs.

"Country buyers and others, who, in settling with the farmer, make a deduction for the processing tax on the bill of sale are penalizing the farmer and are tending to frustrate the declared policy of the agricultural adjustment act," Wallace said.

"There is absolutely no excuse for such a practice and farmers should refuse to sell to any buyer who makes or proposes to make any such deductions."

Buyers who deduct the tax from the price offered farmers, and who then resell the live hogs to another person or processor, he adds, takes advantage of the farmer to realize a larger profit than is represented by the usual difference in price between the local shipping point and the terminal market, because country buyers who do not slaughter hogs are not required to pay the processing tax.

Returns on Hog Processing Tax

All packers will have filed their returns on the November processing of hogs with the Collector of Internal Revenue by the end of December, and returns for hogs slaughtered during December must be made before the end of January.

The tax is due and payable when the report is filed.

Processing tax forms can now be secured from local collectors of internal revenue, the form being numbered "P.T.4." If any packer has not received these forms he should secure them at once.

Figuring Tax.—Provision is made in the form for the tax to be figured on the total live weight of hogs processed during the month covered by the report, less the equivalent live weight of any hogs condemned, processed for producers or processed for export. Equivalent live weights of the hogs on which exemption is claimed are to be calculated by use of the established conversion factors, as shown on the lower half of the tax form sheet.

Drawbacks on Tax.—Question has been raised as to whether claims for drawbacks in connection with export shipments or deliveries for charitable use or distribution can be used as a credit against the processing taxes due. The Bureau of Internal Revenue has stated that the drawback claims cannot be taken as credits against the tax.

It may be possible, however, for the companies which have drawback claims pending to apply for an extension of time for payment of a portion of the

tax equivalent to the amount of the drawback. If such extension is granted, it may be possible to obtain the refund in time so that the amount refunded may be used in payment of the postponed tax. The extent to which the Commissioner will approve applications for extensions and the promptness with which refunds will be obtained probably will depend on the circumstances of the individual case.

Some modification of rulings and definitions in regard to certain points in connection with the processing tax has been asked of the Collector of Internal Revenue by the Institute of American Meat Packers. These have to do with floor taxes on casings and the use of green weight conversion factors for meats, and with the processing tax in relation to condemned parts and to dockage allowances. Detail of these questions and their present states is as follows:

Casings.—As the conversion factors were originally calculated and according to understanding of the definitions which were given at the time, casings were to be considered as inedible offal and thus not subject to floor stocks tax. The Commissioner of Internal Revenue made a contrary interpretation of the definitions. In view of the circumstances, it is urged that this interpretation be changed or that the Department of Agriculture issue an additional ruling in conformity with its position as it was originally stated. The matter is still pending.

Use of green weight conversion factor. When the conversion factor was calculated it was contemplated that all

factors should be based on product at its green weight. Factors for cured, smoked, cooked, and canned product were computed on the basis of normal or average gains and shrinks. The Institute requested that any packer be permitted to use the actual green weight of the product and figure the tax at the green weight conversion factor if he is in a position to establish the actual green weight. This matter is also pending.

Condemned parts.—By the present definitions, condemned whole hogs are excluded from the processing tax. The Institute had made a point that it would be equitable also to exclude condemned parts by permitting a deduction from the tax to the extent of the conversion factor. No authority for such deductions has been obtained up to the present time.

Dockage allowance.—To protect in part against undue reduction in the market value of stags and piggy sows which are normally subject to dockage allowances, the Institute proposed that these dockage allowances be permitted as a deduction in figuring the live weight as subject to the processing tax. This proposal also is still under consideration.

TAX ON WRAPPINGS AND TWINE.

Packers having floor stocks of certain bags, towels, gummed tape and twine, manufactured wholly or in chief value from paper or jute, will be affected by the floor stock tax on these commodities announced by the Secretary of Agriculture as effective December 1, 1933. Compensating and processing taxes also are imposed on these commodities which, of course, are paid by the manufacturer.

Rates on the floor stocks tax are as follows:

PAPER.

1. Multi-wall paper bags (bags having more than one wall and weighing more than 300 lb. per 1,000 bags), 2.082c per lb.
2. Coated paper bags (bags of the type usually made from so-called coated rope paper or coated craft paper, or similar material), 3.518c per lb.
3. Open-mesh paper bags (bags made from open-mesh paper fabric), 2.510c per lb.
4. Paper towels (any paper toweling, but does not include tissues of the type commonly known as "cleansing tissues" or "facial tissues"), 0.729c per lb.
5. Gummed paper tape (paper one surface of which is covered with gum or other adhesive material, processed for distribution in ribbon form and less than two inches in width), 4.214c per lb.

JUTE FABRIC AND JUTE YARNS.

1. Bags (all bags less than six feet in length and less than three feet in width made from jute fabric), 2.914c per lb.
2. Twine (line, cord, string or other tying material made from jute yarn of a length not less than 275 feet per lb. finished weight of twine, and twine made from a single ply or more than one ply of jute yarn):
Unpolished, 2.902c per lb.
Polished, 2.689c per lb.

These tax returns are to be made on Internal Revenue Form P. T. 32A. More information on the matter of these taxes is contained in Paper Regulations Series 1, and Jute Regulations Series 1, copies of which can be secured from Collectors of Internal Revenue in the various districts.

Would Have U. S. Take Over Meat Industry and Fix Prices

Government operation and control of the meat industry is favored by Speaker Rainey of the House of Representatives.

His comment on the beef and dairy control plan agreed on by Secretary Wallace and farm leaders was that it would be better than spending \$200,000,000 to subsidize cattle raisers and dairy farmers.

His statement was made verbally in Washington on December 27, and forecasts what is ahead for the meat packing industry when Congress meets in January and its members begin to trim their political fences for the fall election campaign.

"It might prove more effective and would be far simpler than appropriating these sums," said Speaker Rainey, "for the government to take over the packing industry and operate it by paying fixed prices for pork and beef products, if packers continue to exercise their monopolistic powers to drive down prices."

In support of his suggestion Speaker Rainey recalled that during the war the government took over the railroads and, by placing them under a director general, rerouted traffic and fixed rates and in other ways determined what should be the cost to shippers of rail transportation.

He thinks the same thing could be accomplished as to meat products if the government would be willing to invade the field of private industry to such an extent.

Under the program he suggests independent marketing would be eliminated, the government controlling distribution, and fixing consumer prices at whatever point deemed essential.

Packers Answer Rainey.

In connection with the advocacy by Speaker Rainey of government operation and control of the packing industry because of its alleged failure to co-operate in the recovery program, the Institute of American Meat Packers issued the following statement through president Wm. Whitfield Woods:

"The packing industry is co-operating vigorously in the recovery program, despite Speaker Rainey's charge to the contrary. Opinions regarding the government's plan for reducing corn acreage and controlling hog production have differed, but the plan is now being put

into effect. The packing industry, while reserving the right to express its views on any development, is helping to make the plan fully and fairly understood by those from whom it buys live stock.

"The packing industry also is co-operating in the recovery program by operating under an approved temporary labor code, adopted August 1, in accordance with the President's request to industry. As a result of this code, the number of employees in the packing industry has increased by more than 16 per cent, payrolls have increased more than 20 per cent and employment in the industry is now above normal.

"Further evidence of cooperation is the filing of a marketing agreement to which the Department of Agriculture would be a party.

Livestock Price Trends.

"Mr. Rainey implies that packers have forced livestock prices down. This is not the case. Whether individuals or the government operate the packing industry, the price of livestock will continue to be determined by the prices consumers can pay for meat products.

"Meat is perishable and must be sold promptly for what consumers are able to pay for it. Neither the government

Meat Industry Employment

Employment and payrolls in the meat packing industry ranked among the highest during November of the 89 industries reported on by the Bureau of Labor Statistics. In the food group, with the exception of beet sugar and beverage industries, meat packing had the highest index of employment, and when compared with all industries was exceeded by only two others. With the two food industry exceptions, payrolls in the meat packing industry were exceeded in all of the 89 industries only by wirework, radio, aircraft, newspaper and periodical and rayon.

General employment showed a decrease of 3.5 per cent from the October rate and pay rolls declined 6.2 per cent. Compared with November, 1932, employment was 20.2 per cent higher and pay rolls were 30.3 per cent higher. In meat packing employment was 2.7 per cent lower than a month ago and 24.3 per cent higher than a year ago. Pay rolls were 1.3 per cent lower than in October and 18.8 per cent higher than last November.

nor any other agency can make consumers buy meat at a given price level. If the prices at which meat is selling in relation to other foods seem high, consumers will buy less meat or not buy it at all.

"The result of these economic factors is that the current market price of meat represents in practice the approximate level at which the available supply can be sold.

"It is obvious, therefore, that the packing industry does not have the ability to control the market for live stock or meat. Instead, the amount which the producer receives for his live stock is determined by what the public is able to pay for the meat and by-products.

Profits of Meat Packers.

"Meat packers cannot make a profit unless they sell meat and to be able to sell meat they must buy live stock. In buying live stock, they also must pay the going market price or else go without supplies. Thus, the producer is not at a disadvantage in his trading relationship with the packers. On the contrary, the desire to continue to take care of customers forces packers to buy livestock, sometimes at levels which are higher than the values of the products therefrom.

"Speaker Rainey charged that the practice of direct selling, which is favored by many producers, had been used to achieve a monopoly."

After pointing out that members of the Institute buy hogs in practically every way in which hogs are marketed in this country, some buying hogs at central markets exclusively, some buying all of their hogs from producers who prefer to sell direct, and some using both methods and variations of them, and, after denying that there is any monopoly in the packing industry, Mr. Woods said:

"The very nature of the perishability of meat makes any monopoly impossible. Further, there are more than 1,200 meat packing establishments located in all parts of the United States, all in active competition with one another every day. There are no exorbitant profits in the packing industry. Packers' profits always have been reasonable.

"The several hundred packing companies who submit financial reports to the United States Department of Agriculture and whose operations represent more than 85 per cent of the volume of all companies which slaughter livestock, perform the entire function of dressing the livestock and processing and distributing the products therefrom at an average profit of a fraction of a cent per pound. There is little in these profits to suggest that packers could have paid producers more for their live stock."

Meat Industry Mirrored in Report Of Animal Industry Bureau

More sausage was manufactured under federal inspection in the government fiscal year 1933 than in the previous year, but the total of all meat and meat food products processed under federal supervision was slightly less than a year earlier.

In addition to sausage these products include cured meat, canned meat, meat extract, lard, compound, oleo and other products, totaling last year 8,257,037,328 lbs., as against 8,289,881,799 lbs. in the previous year.

Of the 1933 total, 670,497,071 lbs. was sausage, as against 663,644,078 lbs. in the fiscal year 1932, indicating a trend toward increased manufacture of this product in federal-inspected houses.

Federal meat inspection is only one of the many activities of the Bureau of Animal Industry reported on by its chief, Dr. John R. Mohler, for the year.

Better Livestock Production.

In presenting his report Dr. Mohler points out that the year covered "was marked by continued progress in improved methods of livestock production and in bringing animal diseases under control." Both of these activities are regarded as most important in the development of a controlled agriculture that will bring better returns to farmers.

"Fortunately," says Dr. Mohler, "past regulatory work and research have eliminated or greatly reduced serious risks and have provided technical knowledge needed in planning effective agricultural adjustment."

Major activities of the Bureau include animal husbandry investigations, of which the study of development of quality and palatability of meat is a part; disease eradication work, including elimination of animal parasites; meat inspection; supervision under the packers and stockyards act, and research work.

Experts for Meat Inspection.

In conducting all work with relation to inspection of live animals and meat trained veterinarians are required, only those being accepted who have graduated from accredited veterinary colleges in this country and abroad. In his report Dr. Mohler states that 247 students graduated from these accredited colleges during the year out of a total enrollment of 1,419, which was a slight increase over those of the previous year.

The number of these colleges in the United States totals 11 with 12 foreign recognized veterinary institutions.

This matter of supplying properly-trained veterinarians to carry on the inspection and research work of the Bureau has been a matter of much concern to the chief of the Bureau, who has looked closely into the training to be given and the supply of young veterinarians to take care of replacements and expansion in the service.

Progress is reported on the meat experiments under way during the past ten years in cooperation with the agricultural experiment stations, the National Live Stock and Meat Board and the Institute of American Meat Packers. These constitute many phases of breeding, feeding, handling, slaughtering, meat storage and meat cookery, and the varying influences on the results secured.

Beef Dressing Results.

In the course of these studies beef finished on pasture was found to be just about as good as beef from cattle fed grain on pasture, in experiments with two- and three-year-old steers. Grain-fed cattle were found to have a higher dressing percentage and were somewhat fatter. It was concluded that "grass as a feed does not necessarily produce an inferior quality of beef but that lack of finish or gain due to poor or insufficient pasture is often the cause of low quality that is frequently attributed to grass-finished beef."

Close agreement between slaughter-cattle grade and beef-carass grade was found in a study of over 2,000 head of cattle. This is believed to indicate that the different grades of beef can be recognized in the live animals with dependable accuracy. The same was found to be true of lambs.

A good index of the percentage of fat in the hog carcass was found to be the average of five measurements of thickness of back fat.

Relationship of weight of glands to rate of gain, thickness of back fat or dressing percentage was studied with little result. The glands studied in this connection were the pituitary, thyroid and adrenals. It appeared that gland activity was not closely associated with gland weight. Closer relationships were found in the weights of heart, liver, spleen and kidneys to one another, but these organs showed negative correlations with dressing percentages. Back-fat thickness, however, was found to



MEAT INDUSTRY'S MENTOR.

Dr. John R. Mohler, chief of the U. S. Bureau of Animal Industry, has many functions in which he has been of inestimable service to the meat packing industry.

have a direct relation to dressing percentage.

Studies on Palatability.

In a study of curing lamb the time required to cure various cuts indicated that the rather common method as applied to pork does not apply to cuts of lamb, which are lighter in weight.

In a 50 to 60 deg. pickle 14 days proved to be the most satisfactory to cure average weight loins, racks and breasts, while 30 days were required for legs as small as 3 to 4 lbs. The spinal cord soured in pieces that were cured without splitting the backbone. This constituted a part of the detailed study of temperature, curing and storage of meat in relation to palatability begun during the year.

Beef and pork hearts are cheap and excellent sources of vitamin G, comparing favorably with beef and pork livers in this respect, it was found in the continuation of the studies of the distributions of vitamins in meats and meat products.

Meat Inspection Activities.

Activities of the meat inspection division covered slaughter under federal inspection during the year 1932-33 of 75,322,777 head of meat animals, an increase of 2.4 per cent over the 1932 slaughter. This slaughter took place in 770 establishments located in 262 cities and towns. A year earlier there were 799 inspected establishments in 269 cities and towns. Inspection was withdrawn from 28 establishments during the year, 26 of which either had

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discontinued slaughtering or discontinued doing an interstate business. In only two were there violations of regulations. Twenty-five establishments were assigned inspection.

Of the nearly 75,000,000 animals given ante-mortem inspection, only 33,585 were condemned, with 354,381 suspected. Post-mortem inspection was given 75,322,777 head, of which only three-tenths of 1 per cent were condemned.

Certificates of exemption from federal inspection regulations were granted to 990 retailers and butchers for shipment of meat interstate. Shipments numbering 51,018 and totaling 5,851,140 lbs. of product were made under these certificates.

During the year 47,812 interstate shipments were made of meat and meat food products from animals slaughtered by farmers on farms. These shipments totaled 5,675,832 lbs.

Meat Imports and Casings.

Meat imports totaling 37,245,918 lbs., of which 33,254,553 lbs. consisted of canned and cured meat, were inspected during the year. Of this amount something over 11,000,000 lbs. came from the Argentine, 11,600,000 lbs. from Uruguay, 6,500,000 lbs. from Brazil and 4,300,000 lbs. from Canada. Refusal of

entry was given 98,994 lbs. of meat, the bulk of which was beef.

During the fiscal year ended June 30 animal casings from 45 countries were admitted. Of these 13,156,752 lbs. came on certification; 1,109,310 lbs. on disinfection; 1,530 lbs. were dried casings, totaling 14,267,592 lbs. Casings rejected totaled 22,238 lbs.

Meat inspection laboratories throughout the country analyzed and examined 40,641 different products during the year. Of these a total of 2,150 products were found not in accordance with the regulations. These included meats and meat food products, edible fats and oils, cereals, spices, curing materials, colors, denaturing oils, etc.

Principal faults were excessive added water in sausage, improper application of artificial color to sausage casings, and failure to declare added substances permissible under appropriate declaration.

Federal inspection authorities are called on to approve labels and other

markings for meats and meat food products. During the year 16,617 such labels and markings were approved.

Saving the Beef Business.

Far reaching influences of the Bureau of Animal Industry's researches on tick fever of cattle were demonstrated as a feature of the exhibit of the U. S. Department of Agriculture at the recent International Live Stock Exposition in Chicago. In the center of one booth was a panel showing the development of the tick and its fatal influence on the cattle industry. A dipping vat was illustrated with the information that "dipping every two weeks breaks the life cycle of the ticks and accomplishes eradication."

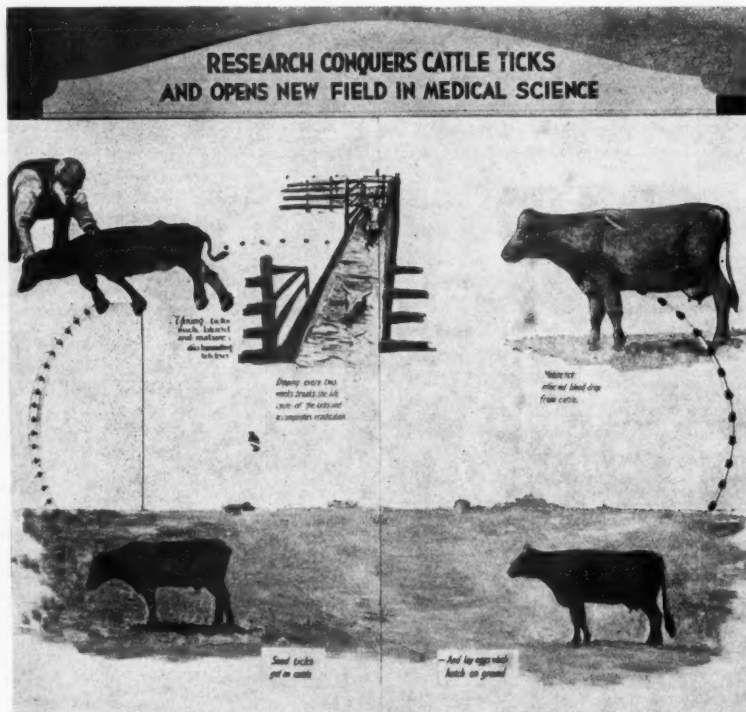
This research work of the Bureau not only conquered tick fever so prevalent in the Southern half of the United States with the exception of New Mexico and Arizona 25 years ago but freed all of the areas from quarantine with the exception of a very small section of Texas near the Mexican border, and

TABLE 1—FIGURES OF PACKERS SUBJECT TO PACKERS AND STOCKYARDS ACT.

	1928	1929	1930	1931	1932
	(680 concerns)	(832 concerns)	(945 concerns)	(927 concerns)	(868 concerns)
Average net worth ¹	\$ 983,705,930	\$1,019,980,096	\$1,058,940,521	\$1,067,108,076	\$ 941,046,932
Total income.....	4,110,095,060	4,308,814,715	4,023,493,741	3,070,743,390	2,204,146,322
Total expenses.....	4,039,890,813	4,243,073,083	3,973,497,594	3,083,839,372	2,212,033,156
Net gain.....	70,204,247	65,741,632	49,996,147	113,195,982	17,886,834
Percentage of gain to net worth.....	7.14	6.45	4.72	11.25	1.94

¹ These figures represent the average of the total net worth of all reporting concerns at the beginning and end of their fiscal years.

² Loss.



HOW THE FIGHT ON CATTLE TICK IS BEING WON.

Demonstrating the deadly effect of the cattle tick, a panel in the U. S. Department of Agriculture exhibit at the International Live Stock Exposition illustrated the success of the Bureau of Animal Industry in eradicating this deadly parasite and freeing the cattle industry of the South from its influence.

small areas in Louisiana, Mississippi and Florida. This permits cattle raisers in the southern part of the United States to ship their animals to markets in any part of the country whereas when tick infested this was not possible.

Not only have the researches of the Bureau overcome so-called "Texas fever," but they proved that insects carry diseases. This discovery was the basis for controlling African sleeping sickness, bubonic plague, malaria, Rocky Mountain spotted fever, trench fever, typhus fever, yellow fever and many other diseases carried by insects and fatal to humans as well as to animals.

Packers' Income and Profits.

Reports of 868 packers subject to the packers and stockyards act showed a net worth of \$941,046,982, net sales of \$2,186,899,318 and a net loss for the year of \$7,886,834. Of this number 211 were federally inspected packers having a net worth of \$730,088,723, net sales of \$1,798,710,146 and a net loss for the year of \$5,561,932. Nonfederally inspected packers numbering 415 with sales of \$161,853,528 showed a net loss of \$895,028 and 242 nonslaughterers with sales of \$226,335,644 showed a net loss of \$1,429,874.

In a comparison of reports made to the packer and stockyards administration during the past five years total income ranged from a high of \$4,308,814,715 in 1928 to a low of \$2,204,146,322 in 1932. Net gain ranged from a profit of \$70,204,247 in 1928 to a net loss of \$7,886,834 in 1932. Figures for each of the five years are reported as shown above in Table 1.

Gobel Tonnage and Dollar Sales Up

Increase in tonnage and dollar volume of sales totaling \$20,968,402.71 is reported by Adolf Gobel, Inc., for the fiscal year ended October 28, 1933.

The year's operations showed a net loss of only \$242,072.98, as against a net loss of \$322,067.05 for the previous year.

Tonnage volume increased, in spite of the closing of the Washington division in February, 1933, which in the previous year accounted for 11,547,482 lbs. of product.

Net profit from operations during the year amounted to \$131,316.17, and other income brought this profit to \$233,377.84 for the year. Interest, taxes, dividends and other charges resulted in the net loss reported.

Skipworth Is New Head.

In its report to stockholders under date of December 20, 1933, the board of directors calls attention to the retirement of president Henry L. Batterman during the year, to devote his entire time to the management of H. Batterman Company, and to the selection of V. D. Skipworth to take the management of the company's operations as president. After reviewing Mr. Skipworth's long association with the industry and his successful work, which attracted the attention of the Gobel directors, they say:

"The wisdom of his selection has been fully justified by his subsequent wise and experienced leadership of the company's affairs, resulting in practical economies and in the establishment of many progressive policies."

In spite of the loss experienced during the year it is felt that headway was made in view of industrial conditions. "Unemployment increased during the last fiscal year and the buying power of the public generally was less than that of the previous year," the statement points out. "The manufacture of all articles except bare necessities was considerably curtailed. The fact that Gobel quality and reputation were consistently maintained throughout, undoubtedly resulted in curtailing sales for the reason that consumers were price-minded to a greater extent than ever before."

Operating Efficiency Increased.

During the year approximately \$200,000 was spent in the provision of new manufacturing facilities and in increasing the efficiency of those already in operation. The company began slaughter of cattle, calves and sheep at a Western unit during the year, and facilities of the Eastern cattle slaughtering plant were increased. The company's slaughter of hogs during the year totaled 1,246,741 head.

Directors and officers of the company and its subsidiary companies are: Directors—V. D. Skipworth, Henry Merkel, Malcolm D. B. Hunter, Jay E. Decker, Henry A. Ingraham, William C. Kirkpatrick, Grosvenor Farwell, E. S. Selby, Fred G. Duffield, and Maurice Lehman. The officers are V. D. Skipworth, president; Henry Merkel and Malcolm B. D. Hunter, vice-presidents; William C. Kirkpatrick, treasurer and assistant secretary; Henry A. Ingraham, secretary.

Subsidiary companies are listed as Jacob E. Decker & Sons, Merkel, Inc., C. Lehmann Packing Co., Inc.; and Adolf Gobel, Inc. (a Maryland corporation).

Income and Surplus.

Consolidated statement of operations and earned surplus including operations of Jacob E. Decker & Sons is as follows:

OPERATIONS.		
Net sales	\$20,968,402.71	
Cost of sales	17,822,936.46	
Gross profit	\$ 3,145,466.25	
Selling, delivery, administrative and general expense	3,014,150.08	
Net profit from operations	\$ 131,316.17	
Other income:		
Dividends	26,366.08	
Interest	2,920.80	
Profit on sales of Adolf Gobel, Inc., 6 1/2 % notes held as investments	46,168.70	
Rentals—net	23,067.50	
Sundry	2,638.50	102,061.67
		\$ 233,377.84
Other deductions:		
Interest on funded debt	\$ 195,033.99	
Amortization of discount and expense on funded debt	49,568.17	
Other interest	29,732.90	
Federal income and capital stock taxes	43,183.29	
Extraordinary provision for uncollectible accounts (regular provision included in administrative exp.)	17,210.85	
Provision for loss on retail stores discontinued	17,945.00	
Sundry	18,533.86	362,828.06
Net loss before dividends on stocks of subsidiary companies and minority interest	\$ 120,450.22	
Deduct dividends on preferred stocks of subsidiary companies		112,296.71
		\$ 241,746.93
Adjustment for minority interest		326.05
Net loss for period	\$ 242,072.98	
Charges for depreciation included above	406,051.99	
EARNED SURPLUS.		
Balance, October 30, 1932	\$ 380,311.38	
Surplus Credit—Difference between cost and face value of bonds purchased for retirement	18,755.00	
		\$ 399,066.38
Surplus Charges:		
Additional taxes of prior periods	9,377.71	
Amortization of organization expense	7,624.76	
Deferred charge in the nature of prepaid rent written off	28,326.93	
Loss on disposal of capital assets	20,067.40	
Miscellaneous adjustments—net	5,942.13	71,338.93
		\$ 327,727.45
Deduct net loss for period		242,072.98
Balance, October 28, 1933		\$ 85,654.47

Consolidated statement of assets and liabilities of the company and its subsidiaries as of October 28, 1933, including the assets and liabilities of Jacob E. Decker & Sons as of October 31, 1933, follows:

Consolidated Statement.

ASSETS.		
Current Assets:		
Cash in banks and on hand	\$ 19,246.20	\$ 733,216.95
Notes receivable	830,376.13	
Accounts receivable		\$ 849,622.33
Less reserve for discounts and uncollectible	117,054.03	731,968.30
Inventories:		
Live stock and product, at cost or market whichever lower (with addition of estimated floor stock tax \$55,343.87, payable Nov. 5, 1933)	\$ 1,207,938.04	
Ingredients, manufacturing supplies and containers	206,414.63	1,414,353.27
Total current assets		\$ 2,879,538.22
Cash and investments deposited as security		4,753.23
Sundry investments—at book value		113,496.00
Miscellaneous accounts, notes and mortgages receivable—at book value		47,969.02
Fixed Assets:		
Land	\$ 471,890.76	
Leaseholds and improvements	531,045.35	
Buildings, machinery, equipment, furniture and fixtures	4,582,309.21	
Delivery equipment (in part subject to chattel mortgage—per contra)	203,375.11	
Branch house and retail store equipment	246,067.88	
Sundry real estate	9,221.25	
Construction in progress	49,413.35	
		6,068,292.91
Plant and equipment not in operation—net book value		661,962.23
Deferred Charges:		
Unamortized bond discount and expense	\$ 95,651.87	
Expense supplies	89,627.66	
Other	106,536.03	292,115.56
Organization expense. Goodwill, including agency contracts, trucking rights and provision routes		30,498.80
NOTE.—Collateral pledged to secure the five year 6 1/2 per cent gold notes of Adolf Gobel, Inc., consists of the entire outstanding common capital stock, or 72,000 shares, of Merkel, Inc., and 14,048 shares of the common capital stock of Jacob E. Decker and Sons.		1,790,409.79
Total assets		\$11,914,075.88
LIABILITIES.		
Current Liabilities:		
Notes Payable:		
Banks	\$ 50,000.00	
Secured by chattel mortgage on delivery equipment	46,129.84	
Other	14,393.30	\$ 110,523.14
Notes receivable discounted		1,000.00
Accounts Payable:		
Trade	225,918.35	
Other	28,730.31	254,648.66
Accrued Liabilities:		
Interest on funded debt	\$ 99,652.21	
Other interest	8,801.51	
Taxes	149,638.90	
Dividends on preferred stocks of subsidiary companies	73,515.46	
Other	60,969.03	302,607.41
First mortgage 6% serial gold bonds of Jacob E. Decker and Sons, series due Dec. 1, 1933	\$ 50,000.00	
Less bonds on hand	0,000.00	44,000.00

Obligation to retire preferred stock of Merkel, Inc., June 15, 1934....	75,000.00	
Sinking fund payments due within one year on George Kern, Inc., 6½% first mortgage gold bonds.....	50,000.00	9,300.00
Less bonds on hand.....	40,700.00	
Total current liabilities.....	\$ 887,070.21	
Mortgages Payable:		
Due Jan. 1, 1934..	150,000.00	180,000.00
Due Aug. 6, 1935..	30,000.00	
Obligation under contract payable after one year.....		22,788.40
Funded Debt:		
Five year 6½% collateral gold notes of Adolf Gobel, Inc., due May 1, 1935, with stock purchase warrants attached (see note).....	\$ 2,250,000.00	
6½% first mortgage sinking fund gold bonds (on leasehold) of George Kern, Inc., due Nov. 1, 1937.....	322,800.00	
First mortgage 6% serial gold bonds of Jacob E. Decker and Sons, \$50,000 due December 1st annually to 1939, \$300,000 due December 1, 1940..	600,000.00	3,172,800.00
Reserve for contingencies.....		11,087.50
Preferred Capital Stock of Subsidiary Companies:		
Merkel, Inc., 6½% cumulative.....	\$ 550,000.00	
Jacob E. Decker and Sons 7% Cumulative:		
Class "A".....	578,450.00	
Class "B".....	408,400.00	1,531,850.00
Minority interest in common capital stock of Jacob E. Decker and Sons (23 shares, or .1586%).....		4,098.34
Common Capital Stock—Par Value \$5.00 Per Share:		
Outstanding.....	554,739 shares	
Less held in escrow for exercise of common stock purchase warrants.....	123,750 shares	
	430,989 shares	2,154,945.00
Capital surplus.....	3,863,772.90	
Earned surplus.....	85,654.47	
	\$11,014,075.88	
Contingent liability—drafts discounted..	\$ 83,121.71	

WHOLESALE PRICE CHANGES.

Wholesale commodity prices declined slightly during November, according to the U. S. Bureau of Labor Statistics. In this period decreases were reported for 150 items, increases for 181 while in 453 cases no change took place. Of the declines, livestock and poultry dropped 10 per cent, fresh and cured meats and soap 5½ per cent and for hides and skins 1½ per cent. However, when compared with a year ago, November was the sixth consecutive month when prices averaged higher than in the corresponding month a year ago. There was an average increase of more than 11 per cent over last November.

Wholesale prices of farm commodities showed the largest price advance. The group as a whole rose by more than 1½ per cent over the previous month. The

food group as a whole stood at 60.6 as against 64.2 last month and 54.3 last year. The wholesale meat price index stood at 53.7 as against 51.0 a month ago and 48.2 a year ago. Of the meat items included, sirloin steak, round steak, rib roast, chuck roast and plate beef showed declines, while pork chops, sliced bacon and sliced ham showed price increases. No change was reported in leg of lamb.

PACKER SLAUGHTERS INCREASE.

Gain in production at slaughtering establishments in the United States in November is reported by the Federal Reserve bank of Chicago, the increase being 15 per cent over October, 17 per cent over November, 1932, and 7½ per cent over the 1923-1932 average for November.

"Distribution declined," the report states. The total value of sales billed to domestic and foreign customers dropped 15½ per cent from a month earlier, though aggregating 15½ per cent above a year ago. Part of the recession from October, however, was due to a lowering of the general price level of packinghouse commodities.

"December 1 inventories increased slightly more than the usual amount over the beginning of November to a level 154,164,000 pounds above the

1928-32 average for that date. Shipments for export remained in November at about the same volume as during October."

PROCESSING TAX COLLECTIONS.

Processing taxes imposed under the AAA, with compensating and other taxes, collected by the U. S. Bureau of Internal Revenue during November and for the year to date, are reported as follows:

	Nov., 1933.	Year to Date.
Wheat (tax July 9).....	\$ 9,159,802.98	\$38,903,726.82
Cotton (tax Aug. 1).....	17,327,182.04	49,830,785.11
Tobacco (tax Oct. 1).....	1,281,301.54	1,983,758.18
Field corn (tax Nov. 5).....	17,976.21	17,976.21
Hogs (tax Nov. 5).....	27,296.07	27,296.07
Total.....	\$27,813,559.44	\$90,763,542.30

Of the hog tax collected to date \$6.83 was processing tax, \$380.92 import compensating taxes, \$26,887.10 floor tax paid by other than retailers and \$21.22 floor tax paid by retailers.

Returns on the processing tax on hogs slaughtered during November were not made until in December, and payments of packers' floor stock taxes were not required until December 5, so that the returns for November would not show the effect of these taxes.

Watch the "Wanted" and "For Sale" page for business opportunities and bargains in equipment.

Rath Increase Sales and Net Income

Increases of 2 per cent in sales and 50 per cent in net income are reported by the Rath Packing Co. for the fiscal year ended October 28, 1933.

Net income for the period at \$616,783 compares with \$402,812 in the previous fiscal year. Net sales totaled \$19,064,908 in 1933 and \$18,690,308 in 1932. Cost of sales, selling expense, delivery expenses and general and administrative expenses totaled \$18,142,740 in 1933 and \$18,093,023 in 1932.

Widened margin between expenses and sales and increased sales resulted in an operating income of \$922,168 against an operating income of \$597,285 a year earlier. Depreciation and obsolescence amounted to \$202,497, while a year ago this amounted to \$131,958. Surplus at the end of the year was \$2,045,077 against \$1,976,174 in 1932. Dividends totaling \$547,379 were paid. Current assets amounted to \$3,209,375 and current liabilities to \$692,538.

New Equipment Added.

Commenting on the year's results, President John W. Rath said that

slaughter last year was larger than that of the preceding year. A new lard refinery building, a new lard tank house and other additions to plant and equipment were made during the year, he said.

Comparison of the balance sheet and income account for the year just ended with that of the previous year follows:

BALANCE SHEET.			
Assets.			
	1933.	1932.	
Current assets:			
Cash.....	\$ 346,361	\$ 386,519	
Receivables.....	1,071,838	852,699	
Inventories.....	1,791,176	1,551,333	
Total current.....	\$ 3,209,375	\$ 2,790,551	
Fixed assets.....	3,478,064	3,400,565	
Def. and other assets..	170,286	124,483	
Total assets.....	\$ 6,857,715	\$ 6,315,599	
Liabilities.			
Current liabilities:			
Notes payable.....	\$ 328,000	\$.....	
Accounts payable.....	191,572	72,833	
Federal tax.....	102,880	67,158	
Prfd. stock dividend payment.....	70,078	74,314	
Total current.....	\$ 692,538	\$ 214,325	
Preferred stock.....	2,120,100	2,125,100	
Common stock.....	2,000,000	2,000,000	
Surplus.....	2,045,077	1,976,174	
Total liabilities.....	\$ 6,857,715	\$ 6,315,599	
INCOME ACCOUNT.			
	1933.	1932.	
Net sales.....	\$19,064,908	\$18,690,308	
Cost of sales, etc.....	18,142,740	18,093,023	
Operating profit.....	922,168	597,285	
Depr. and obsol.....	202,497	131,958	
Federal tax.....	102,880	67,158	
Other income.....	4,644	4,644	
Net income.....	616,783	402,812	

Practical Points for the Trade

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Berliner Sausage

A sausage sometimes called "ham" sausage and sometimes called "Berliner" is sold extensively as a specialty through the winter months, as well as at other seasons. A packer writes regarding this as follows:

Editor The National Provisioner:

We want to make a sausage that consumers ask for as "ham" sausage, but as we are federally inspected we realize that we cannot call it ham sausage unless it is made of ham. Will you tell us how to make this sausage, also under what name is it known besides ham sausage?

This product can be sold under a trade name, or it can be sold as Berliner. It is made of pork trimmings and some beef, and so cannot be called ham sausage.

Following is one formula for making this sausage:

85 lbs. of 90 per cent lean pork trimmings
15 lbs. chopped beef.

All meat is well cured, although the beef may be used fresh if desired. In this case a little additional salt is added, although care must be exercised not to get the product too salty.

The pork trimmings are ground through the 3/4-in. plate and dry cured. The cured pork trimmings and the beef are put in the mixer and seasoned with

6 oz. pepper
8 oz. sugar
3/4 oz. ground cloves
1/2 oz. cinnamon.

Mix thoroughly. Then stuff either in bungs, bladders or large cellulose containers. The product is smoked and cooked the same as bologna.

Another Berliner Formula.

Another formula for Berliner is as follows:

75 lbs. dry cured lean pork trimmings
25 lbs. dry cured bull meat.
No seasoning is added.

Preparation.—When the bull meat is put in cure it is ground through the 3/4-in. plate. Unless the pork trimmings are quite large they are not ground. If it is necessary to reduce the size, put them through the one-inch plate. This is done when the trimmings go into cure. Grinding to this size makes it easier to stuff the product into bladders if this container is used.

Put the dry cured pork trimmings and the cured bull meat into the mixer and mix thoroughly for about 5 minutes, adding a little crushed ice.

Stuffing.—When the product is thoroughly mixed it is taken to the stuffing bench. It is necessary to have a large

sized filler for this class of product, regardless of the container used, in order to get the best results.

If bladders are used the necks are split to suit the horn. As soon as they are stuffed and taken from the horn, two wooden skewers are run through the neck end of the bladder from the opposite sides. Then tie with twine underneath the skewers and wrap with twine around and lengthwise to support the casing. If wire molds are used the twine will not be necessary.

The bladders should not be stuffed to full capacity, as they have a tendency to expand while cooking and may break.

Chilling.—After the product is stuffed it is well to put it in the cooler at 36 to 40 degs. and allow it to hang for from 18 to 24 hours. When removed from the cooler let it hang in natural temperatures for 2 to 3 hours to dry off somewhat before putting in the smokehouse.

Smoking.—Smoke for the first two hours at a temperature of 140 degs., using either hardwood or gas and hardwood sawdust. For the next 2 or 3 hours smoke at 145 to 150 degs. This product should not be subjected to very high temperatures in the smokehouse.

Cleaning Hog Casings

New methods for cleaning casings have been devised whereby the casings are cleaned and ready for salting a short time after they leave the killing floor.

This is a far cry from the old method of soaking casings 24 or 48 hours at high temperatures, when oversoaked casings resulted in heavy losses and undersoaked product was difficult to slime, and when the odors attendant on this soaking and sliming process were very objectionable.

While increase in yield and the saving in labor are important in this new process, perhaps the most important features of mechanical cleaning are the speedy handling of the product and the elimination of all offensive odors.

A description of this method has been printed by THE NATIONAL PROVISIONER. Copy can be secured by sending a 5c stamp with request, as follows:

The National Provisioner,
407 South Dearborn St., Chicago, Ill.

Please send me copy of article describing modern method of cleaning hog casings.

Name

Street

City

Inclosed find 5c stamp.

Cooking.—Then put in the cooking vat from 4 to 6 hours, depending on the size of the bladder, at a temperature of 155 degs. The last hour the temperature should be held at 160 degs.

When stuffed in beef bungs or cellulose containers the product is smoked for 3 hours at a temperature of 100 degs., then cooked for 3 1/2 hours at a temperature of 165 degs.

On removal from the cook vat rinse the product with hot water and spray or chill with cold water for 3 to 5 minutes, being certain that all grease has been removed from the surface of the casing.

After hanging in natural temperatures for 2 to 3 hours to partially chill, put in the cooler at 45 to 50 degs., to thoroughly chill before packing.

SMOKEHOUSE INSURANCE.

A dealer who wants to smoke meats asks for information concerning insurance risks on a smokehouse in connection with his establishment. He says:

Editor The National Provisioner:

We are planning a smokehouse on the first floor of our store building, which is a two-story brick structure. This smokehouse will hold about two or three cages with rail, according to specifications as outlined in your book "Pork Packing."

Is this plan approved by insurance underwriters, or will it raise our insurance rate? Our local insurance inspector advises it will raise the rate 13 to 15 per cent on the building and all equipment. Is there any way we can equip this smokehouse to come under the underwriter's specifications to do away with this extra charge?

We plan to use a gas burner to heat this smokehouse and install an automatic control.

If this inquirer will consult his insurance firm probably he will find that the increase in insurance rates to which he refers is due simply to the fact that he is placing a smokehouse in the building, thus increasing the fire risk, and not particularly to the type of smokehouse.

The smokehouse illustrated and described in "Pork Packing" is about as safe from a fire standpoint as it is possible to make a device of this kind. If there are varying insurance rates for smokehouses of various designs it would seem that this should take the lowest. It is assumed, of course, that steel fire doors will be installed.

Any kind of a smokehouse in such a building as this could hardly be installed without increasing the insurance cost. The inquirer might consider building the smokehouse separate from the building, since he is probably carrying on his meat processing operations in a business building rather than a structure designed for a meat plant.

Making Bacon Squares

Bacon squares are quite popular, as this product given a good cure makes an economical and tasty piece of meat for the purchaser, for slicing and frying or for cooking with vegetables.

A packer asks how to make these squares. He says:

Editor The National Provisioner:

Can you give us information about bacon squares? What is the cut and how is it cured and smoked?

Bacon squares are made from the jowl, which is carefully trimmed, squared and flattened out. These squares usually weigh from 2 to 4 lbs. after they are cured and smoked.

The product may be given either a dry cure of a sweet pickle cure. As the cuts are small they cure a great deal faster than the larger cuts and there is no occasion to overhaul them. If given a pickle cure, a good sweet pickle of about 70 deg. strength, the same as is used for ham or bellies, may be used for the purpose. If dry cured, use the same formula as is used for dry cure bellies, that is for each 100 lbs. of green meat use

3 lbs. fine granulated salt
2 1/4 lbs. granulated cane sugar
4 oz. saltpeter.

Each piece of meat is well rubbed with the mixture, a little is spread on the bottom of the curing boxes and additional amounts spread between each layer of meat as it is packed and again over the top layer before the lid is put on the box. A small amount of pickle may be added to aid the cure in sticking to the butts.

Whether pickle or dry cure, curing should be done at about 38 degs. F. and the pieces are cured in from 10 to 25 days, depending on the size. Frequently these butts or bacon squares are cured by packing them in with dry cure bellies, using them to fill up any empty spaces in the box.

When the product is taken out of cure, washed, and is ready for the smokehouse, it is usually smoked on screens.

DRY SKIM MILK REGULATION.

Sausage manufacturers who have been offered dry skim milk in bags have been warned that such proffers are in direct violation of the marketing agreement in force in the dry skim milk industry. This section of the agreement reads: "No dry skim milk manufactured for human consumption shall be packaged, shipped or sold in bags in the wholesale trade." It is pointed out that the dry skim milk industry generally has abandoned the use of bags on the ground that thus packaged the product is unfit for human consumption. Government inspectors, it is said, are on the lookout for violators of the agreement.

Recent Patents

New devices relating to the meat and allied industries on which patents have been granted by the U. S. Patent Office will be described in this column.

Automatic Sausage Linking Machine.

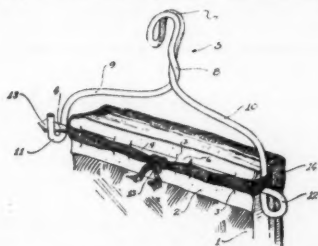
Homer A. Edwards, Nampa, Idaho. This is a sausage linking machine, bearing supports, a reel mounted in said supports and provided with a plurality of spaced serrated panels, a guide bar,



a guide mounted on said guide bar, and means actuated by said panels to cause the movement of said guide on said bar. Granted Nov. 21, 1933. No. 1,936,354.

Means for Hanging Bacon.

John E. Covey, Chicago, Ill., assignor to Swift & Company, Chicago, Ill. This assemblage in the preparing and treating of bacon slabs, comprises a slab of bacon, a safety-pin type of hanger, and a fabric band. The slab of bacon is deided except for a narrow transversely extending strip of hide that is left at the upper end of the slab, said strip being provided along a centrally transversely extending section with vertically extending spaced slits arranged

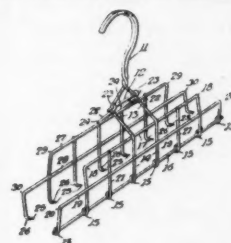


so as to leave a line of narrow ribbon-like loop providing skin sections. The ends of each loop are integral with the skin above and below the slits; the safety-pin type of hanger has a supporting hoop at the top, supporting arms depending from and spreading outwardly from said hook, and a skewer or pin member integral with the lower end of one of said depending arms. Connected therewith through the medium of a loop portion that extends outwardly beyond a downwardly extending section of the supporting arm, is the other supporting arm having at the lower end thereof a reversely bent section providing a hook for the free end of the skewer or pin member. The skewer or pin member is threaded under the loops but positioned so that except for said looped portions, the skewer or pin member engages the outer side of the skin section. The fabric band is arranged so as to tightly encircle the upper end of the slab and so that it extends along the upper meat section of the slab—slightly overlapping the upper end of the slab—thence across an upper outer side portion of the slab outside of one of said depending supporting arms and above the outwardly extending loop connection be-

tween said last mentioned supporting arm and the skewer or pin member connected thereto, thence along the outside of the upper skin side of the slab, thence above the free end of the pin and finally across the other upper outer side portion of the slab. Granted Nov. 21, 1933. No. 1,935,616.

Meat Hanger.

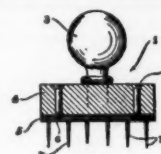
Victor Conquest, Gustav Redemske, and Edward L. Lalumier, Chicago, Ill., assignors to Armour and Company, Chicago, Ill. A meat hanger comprising companion jaw members pivotally connected, one of the jaw members being provided with spaced inwardly project-



ing blunt contact points and the other with spaced inwardly projecting sharp spurs of a length to correspond substantially to the thickness of the meat rind. Granted Nov. 21, 1933. No. 1,396,380.

Branding Device.

Harry H. McKee, Chicago, Ill., assignor to Swift & Company, Chicago, Ill. This branding instrument comprises a plurality of needles arranged accord-



ing to a chosen design as brand mark and a support therefor. The needles are each provided with grooves and each has deeply recessed apertures adjacent, their points terminating in said grooves, whereby to carry ink through a layer of fell. Granted Nov. 21, 1933. No. 1,936,170.

Neatsfoot Oil Equivalents.

Carl Stiepel, Berlin-Charlottenburg, Germany, assignor by mesne assignments to Unichem Chemikalien Handels A.-G., Zurich, Switzerland. An oil having a turbidity point approximating -5 degs. C. or lower adapted for use as a lubricating oil and for the treatment of leather and textiles. The oil consists of a mixture of fatty acids derived from material of the group consisting of sperm oil, hog fat, palm oil and olive oil, which fraction has a turbidity point approximating 5 degs. C. or lower. Granted Nov. 7, 1933. No. 1,934,100.

USE OF SODIUM NITRITE.

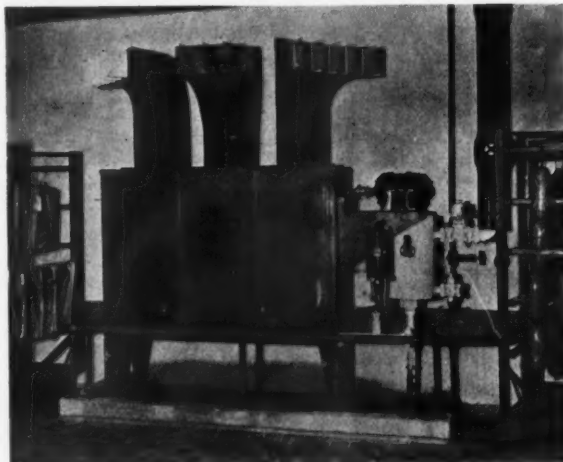
Sodium nitrite has come into prominence in meat curing. How is it used? Curing formulas containing sodium nitrite are published in "PORK PACKING," The National Provisioner's new test book. Curing cellar foremen should have the information contained in it.

REFRIGERATION AT LOW COST

CLARAGE Unitherm Unit Coolers are the economical answer to practically any meat product refrigeration requirement.

The more important money-saving advantages of a Clarage installation are:

1. Closer control of temperature because of positive air circulation.
2. No moisture condensation on walls and ceiling of cooling room.
3. Very rapid cooling—saving time and operating cost.
4. Marked reduction in first cost—less equipment needed



—simple, inexpensive installation.

5. Large saving in cost of cold storage room construction—height of room reduced since no space needed for overhead bunkers.

6. Low maintenance, and 100% salvage value due to mobility of units.

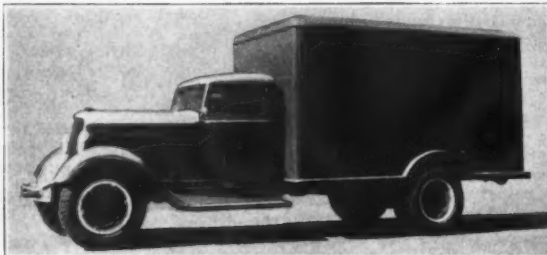
Clarage Unitherm Coolers are built in both fin surface and brine spray types. Write

for FREE Bulletin 77 which gives full details. CLARAGE FAN COMPANY, Kalamazoo, Michigan.

CLARAGE

UNITHERM UNIT COOLERS

The cost of operating a refrigerator body is vital to the cost per mile of hauling meat. Low costs are obtained in Meyer Refrigerator Bodies because they will maintain satisfactory low temperatures in the warmest weather for long periods, with a minimum amount of refrigerant. This item alone will save the cost of the body in a year's time, so why buy a cheap experiment?



MEYER BODY COMPANY, Inc.
216 Elm St. Buffalo, N. Y.

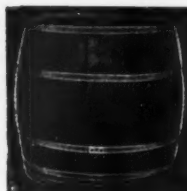
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Replace now - at bottom

Pension the old battered doors in your plant now—you may never have the opportunity at present low prices again.

JAMISON COLD STORAGE DOOR CO.
Hagerstown, Md. U. S. A.
Branches and Agents in all principal cities

CURING CASKS
Tierces—Barrels—Kegs
Standard and Special Sizes
Manufactured by
American Cooperage Co.
MAURER, NEW JERSEY
Quality—Service—Price



**Standard 1500-lb.
Ham Curing Casks**
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Write for Prices and Delivery

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Refrigeration and Frozen Foods

MEAT STORAGE IN CO₂.

Some interesting experiments in the storage of meat in high concentrations of CO₂ have been under way in England for some time, during which some rather remarkable results have been secured. At a recent meeting of the British Association of Refrigeration, this subject was discussed at considerable length, the principal results of the experiments being given.

It was pointed out that the prolonged storage of mild cured bacon presented many difficulties. Bacon stored green, i.e., unsmoked, would be tainted by micro-organisms if the temperature of the cooler were above 32 degs. Fahr. while bacon stored in the frozen condition became rancid after defrosting. Pale-drying helped to lengthen the storage period to some extent by drying the surface, but smoking was more effective, and provided a considerable amount of protection against micro-organisms and against rancidity. Smoked mild-cured bacon, however, could not be kept for more than two to three months in ordinary coolers.

The limiting factor was the rancidity which occurred in the fat. Thus, smoked bacon frozen and stored at 14 degs. Fahr., or even minus 4 degs. Fahr., became rancid after about two to three months' storage. Since rancidity did not occur in the absence of oxygen, experiments in gas storage were commenced, using both nitrogen and carbon dioxide, both these gases preventing rancidity. In addition, CO₂ was shown to possess antiseptic qualities of a very high order. A side of unsmoked bacon had been successfully stored at 32 degs. Fahr. for over four months in an atmosphere of CO₂, and experts then considered this bacon was only a

pigment (methæmoglobin) in the presence of CO₂ if small quantities of oxygen were also present.

Thus, with pork stored in high concentrations of CO₂, any exposed surfaces of pork muscle (lean meat) were liable to become discolored. The pigment of bacon, however, (nitroso-hæmoglobin) was unaffected by CO₂.

In the experiments, dessicators were first used for small scale work, then a sheet-metal gas-tight box which held several sides of bacon or a carcass of pork was used. A small cooler capable of holding 30 to 40 sides of bacon is now being experimented with. It is made of electrically welded sheet iron and is surprisingly gas tight.

It was brought out that the yellowing of fat in the samples of bacon on display represented the extent to which rancidity had developed, but it was observable that the bacon stored in CO₂ was perfect in every way.

Pork chops stored at 32 degs. Fahr. in air "spoke for themselves," but those stored in CO₂ were quite wholesome. The point in all of these storage tests was to keep the oxygen content of the atmosphere down to a very low limit, say 5 per cent. In this concentration of CO₂ the experimenters were able to prevent hæmoglobin from becoming methæmoglobin. A carcass of pork had been kept in good condition over a rather long period by this method.

It was emphasized that bacon differs from fresh meat in that the problem

is not, as in the case of fresh meat, the prevention of the development of surface micro-organisms, as by freezing, but the prevention of the fat becoming rancid through oxidation.

FROZEN FRUIT JUICES.

Development of a new method for quick freezing all kinds of fruit juices was announced recently by the California Consumers Co., Los Angeles. This announcement came following completion of a period of experimentation and trial exploitation during which "Sunjuis" orange, lemon, grapefruit, lime and pineapple juices were marketed throughout the eastern section of the country and in the Orient, South Seas and European markets.

With this new process, it is said, it is now possible to get sun-ripened, undiluted and unadulterated fruit juices with no chemicals or foreign substances added. Immediately after it has been picked the fruit is pre-cooled to 32 degs. Fahr. It is then squeezed into juice, under a patented process, placed in chilled bottles or containers, sealed under vacuum and "fast-frozen" at 50 degs. Fahr. below zero by being dipped in vats containing a liquid refrigerant.

It is stored at a temperature of 10 degs. Fahr.

The process does not involve the use of preservatives or adulterants of any kind. Oxidation and bacteriological action are definitely prevented.

The juice is delivered from the cold storage warehouse in sealed cans, frozen, packed in fibre cases. The cans are removed and placed in a refrigerator, preferably at about 50 degs. Fahr. At this temperature liquefaction usually requires about 12 hours.

REFRIGERATION NOTES.

Installation of a refrigeration system in the plant of the Borne Packing Co., Vernon, Calif., has been begun by the Pacific Refrigeration Co.

The Berwick Fruit Co., Berwick, N. S., Canada, has completed the construction of a cold storage warehouse.

Muscogee County, Ga., has plans for the installation of a small ice and cold storage plant at its convict camp near Columbus, Ga.

R. I. Parlet has plans in hand for the erection of a cold storage plant at Pomeroy, Wash.

City of Shiner, Tex., has under consideration the construction of a cold storage and ice manufacturing plant at an estimated cost of \$40,000.

The Lombardoni Fruit Co., Plattsburg, N. Y., recently purchased a 4-ton Frick refrigerating machine for use in fruit storage.

San Augustine Ice Co., San Augustine, Tex., has awarded contract for the construction of two large ice vaults and a cold storage room for the purpose of curing meats and for general storage.

The Garnerville Ice Co., Haverstraw, N. Y., is erecting a new cork and steel ice storage building.

TABLE 1—SHRINK IN BACON STORED EIGHT WEEKS.

Temp. of Storage. Dega. Fahr.	Remarks.	Shrink. Per Cent.
26.6	In air; fan in room.	19.0
26.6	In carbon dioxide.	1.8
14.0	In still air.	8.7
14.0	In carbon dioxide.	0.4

fortnight old, in spite of its 18 weeks' storage. When smoked and cooked, the only fault was a slight friability in the lean.

To overcome this fault, lower storage temperatures were used. Bacon was shown that had been stored for eight months in CO₂, two sides at 26 degs. Fahr. and two sides at 14 degs. Fahr. The bacon at 26 degs. Fahr. had not been frozen, but the sides stored at 14 degs. Fahr. were previously hard frozen at minus 22 degs. Fahr. for 36 hours. Control sides were stored in air at both storage temperatures. Table I shows that the loss in weight was far less in sides which were stored in the CO₂ containers.

It was said that not only was CO₂ of great value for the storage of bacon, but it also considerably increased the storage life of chilled pork. There was, however, a difficulty met with in the case of pork which did not arise in the case of bacon. The principal pigment of pork is hæmoglobin, and this pigment very readily changed to a brown



KEEPS CARCASS ON HOOK.

This method of supporting forequarters of beef when shipping in refrigerator cars is said to lessen damage and to prevent the meat from dropping off the hook. The device consists of a chain and a saddle. One link at the end of the chain is slipped over the hook, the forequarter placed on the hook and the chain drawn up snugly and secured in the manner shown, with the saddle at the bottom.

First cost of the device and the labor of using it are small, it is said. It is the idea of John Snyder, Sioux Falls, S. D., and was awarded a certificate of merit in the last prize idea contest of the Institute of American Meat Packers.

CORN-HOG CONTROL PLAN.

(Continued from page 12.)

number of hogs bought and fed for market, above the average number bought and fed during the 2-year base period.

Example: Suppose your sows farrowed an average of 16 litters in 1932 and 1933, and an average of 100 pigs were marketed from these litters. Under this plan you would produce in 1934 not more than 12 litters (three-fourths of 16), and you agree to sell from these litters not more than 75 pigs (three-fourths of the 100 head you sold on the average from home-farrowed litters in 1932 and 1933). Suppose also that in 1932 and 1933 you bought an average of 50 head of pigs to feed for market. Under this plan in 1934 you would buy and feed not more than the average number you bought and fed during the 2-year base period. (The hog-market years considered in the contract are December 1, 1931, to December 1, 1932; December 1, 1932, to December 1, 1933; and December 1, 1933, to December 1, 1934.)

Benefits in Return.

For making these adjustments, you receive the following benefits:

1. A corn-reduction payment at the rate of 30 cents per bushel on the estimated production of corn, in the past five years, on the contracted acreage. The 2-year base period, 1932 and 1933, will determine the number of acres you may contract to the Government.

If, for example, you contracted 20 acres of land which yielded, or would have yielded in the past 5 years, an average of 30 bushels per acre, you would receive \$9 per acre or a total of \$1.80. (20 acres \times 30 bushels \times 30 cents.)

One-half, or 15 cents per bushel of this corn-reduction payment will be made as soon as possible after acceptance of your contract by the Secretary of Agriculture. The remainder, minus local administrative expenses, will be paid on or after November 15, 1934, upon evidence that the contract has been fulfilled.

Premium Paid on Hogs.

2. A hog-adjustment payment of \$5 per head on the number of hogs you produced for market from litters farrowed by your sows, provided you have reduced your hog production in accordance with the contract.

If your 1932 and 1933 average production for market was 100 hogs, you would be allowed to produce 75 per cent of this number, or 75 hogs, in 1934, and you would receive a total hog benefit payment of \$375 minus expenses. Two-fifths, or \$2 per head on your reduced production, will be paid as soon as possible after your contract is approved; \$1 per head about September 1, 1934, and the remainder, \$2 per head, minus administrative expenses, about February 1, 1935.

The payments you will receive under this plan are not gifts from the Government. They are your share of the larger total farm income that is possible with controlled production. Besides these adjustment payments, you will have the benefit of any increase in market price.

This program protects the farmer who joins in the production-adjustment effort. Those who do not join and decide to increase production at the expense of their fellow farmers will depress the market price for all producers, but particularly for themselves. The "insider" is protected because he receives his full benefit payments, regardless of the trend of production among "outsiders."

Plan Is Purely Voluntary.

This Corn-Hog Plan is purely voluntary, as are the plans for wheat, cotton and other crops included under the Agricultural Adjustment Act. It will be administered through community committees and county production-control associations to be organized soon in all major corn- and hog-producing counties. The only purpose of these associations will be to carry out the Corn-Hog Adjustment Plan within the counties.

Unless otherwise prescribed by the Secretary, the land you contract to take out of production shall be used only for planting additional permanent pasture; for soil-improving or erosion-preventing crops not to be harvested; for resting or fallowing the land; for weed eradication; or for planting farm wood lots.

The Government has records on past corn and hog production by states and counties upon which to check the total production of individual producers in a county, but it will be necessary to get certain specific information from farmers themselves. Statements of farmers will be checked against state and county production records, and individual's statements on the acreage and yield of corn and production of hogs during the past two years will be published.

Remember, the goal is to raise farm prices to a parity with the prices of other commodities. Corn and hog farmers can help strike this new balance through sound production control, standing neighbor with neighbor under the Corn-Hog Adjustment Plan.

How to Speed Up the Plan.

Here are some things you can do to help speed up the signing and acceptance of your contract, when the campaign begins in your community:

1. Attend all meetings concerned with the corn and hog project, so that you may know how the plan actually works, and be entirely familiar with it.

2. Assemble definite figures on the acreage of various crops during 1932 and 1933 on the farm you will operate in 1934. Also, you should know the acreage taken out for woodlands, pasture, farm buildings, orchards, roads and the like, so that you may account for the uses of the total farm area.

3. Assemble definite information on number of litters farrowed by your sows in 1932 and 1933, and on the disposal of the hogs from these litters; also, on the number of feeder pigs bought and sold by you during the 2-year base period. (December 1, 1931, to December 1, 1932, and December 1, 1932, to December 1, 1933.)

4. Be thinking about the fields you wish to contract to the Government. Remember the contracted corn acres must be at least 20 per cent and may be up to 30 per cent of the average corn acreage during 1932 and 1933. Deter-

mine as nearly as possible the average corn yield for this land during the past 5 years.

5. Obtain all the data possible on the yields and kinds of crops planted the last five years on the land you expect to lease.

6. Assemble information on uses made of the corn crop during the last two years, (on the farm you will operate in 1934), whether for grain, silage, hogging-down, cash sale or other purposes.

7. Assemble all the sales slips, farm records or other kinds of evidence to support your claims as to corn and hog production before the county and community committees which must administer this plan locally.

8. Obtain this information for all farms or fields owned or operated by you.

9. Fill out as completely as possible the answers to all the questions asked on the farmers' work sheet. This sheet will be distributed soon.

BRITISH IMPORT PORK RULES.

Fresh and frozen pork imported into Great Britain will be required to carry certain glands which ordinarily are cut away from these cuts before they enter trade channels, according to a recent British government ruling. After March 31 all fresh pork loins will be required to have the leaf and kidney attached, whether sold c.i.f. or consigned. In the case of frozen pork, American cut hams must have the popliteal gland, the superficial inguinal or supra-mammary glands attached; bellies and Cumberland sides should have both the pleura and peritoneum in place; pork loins the pleura, peritoneum and the renal and lumbar lymphatic glands; picnic hams, Boston butts and other shoulder cuts should have the pre-scapular gland left in place but back fat, which consists entirely of the rind and fat from the back and includes no lean, bone or glands complies with the regulations and will be admitted.

BRAND BRITISH PORK IMPORTS.

Proposal for an order in council requiring that all bacon and hams be marked with the country of origin has been presented to the English parliament, thus renewing early efforts to bring about such marking. American packers have been of the opinion that U. S. inspection stamps have been sufficient to cover all British requirements. The proposal is that the country of origin shall be marked with three-quarter inch block letters extending in two strips the entire length of the side joining at the ham hock, with separate hams correspondingly marked.

PEEK'S FOREIGN TRADE PLANS.

George N. Peek, head of the new U. S. foreign trade corporation, presented to the President this week his recommendations for a permanent organization to stimulate sales of American products abroad. Discussions of the proposals were held at the White House with state department and agricultural officials. No conclusions were announced after the meetings, but those in attendance indicated confidence in arranging a permanent setup.

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Provision and Lard Markets

WEEKLY REVIEW

Trade Fairly Active—Market Firmer—Hogs Steadier—Pig Report Without Influence—Cash Trade Fair—Government Again Buying Hogs for Relief.

Market for hog products while somewhat irregular the past week in a fairly active trade, displayed a somewhat firmer undertone. This was particularly true of lard, prices averaging somewhat better than the previous week. A recovery in hog prices and a fair routine cash trade brought about buying and covering which at times disclosed an oversold condition. However, action of the market was again traceable to government efforts to lift hog and hog product values. Routine conditions had little influence, the government pig report attracting only passing attention.

The two outstanding features of the week were the announcements that the Administration's corn-hog campaign for 1934 was ready to start shortly after the holidays, and the report that the Federal Surplus Relief Corporation would again be in the market for hogs for relief to the extent of 292,875 head beginning December 27. Daily purchases, it was said, will run around 19,525 hogs. Buying will be scattered throughout the country. Hogs averaging 180 lbs. will be bought.

Another helpful feature from Washington was the decision to postpone raising the processing tax on hogs until February 1, 1934. The tax will remain \$1.00 per hundredweight, live weight, instead of going to \$1.50 per hundredweight at midnight on December 31, 1933, as originally provided in the hog regulations. The secretary of agriculture announced that the rate on February 1, 1934, will be \$1.50 per hundredweight and on March 1, 1934, \$2.25 per hundredweight.

November Hog Slaughter Large.

The revision in the processing tax on hogs, it was pointed out, was made partly in consideration of the continued large slaughter. The findings of the Secretary indicate that payment of the processing tax under the original schedule on the large supply of hogs during January and February, would tend to result in the accumulation of surplus stocks and depress further the farm price.

According to the U. S. Bureau of Agricultural Economics, the federally inspected slaughter of 4,501,000 head of hogs during November represented an increase of about 20 per cent over the slaughter in November, 1932. Preliminary estimates also indicate that the federally inspected slaughter through December will be about as large as that of last year.

In market circles, and judging by reports from the interior, part of the heavy movement of hogs to market of late was directly traceable to government loaning to 45¢ per bushel on corn. This stiffened ideas of corn holders in

the interior, where corn was not already sealed for the loans. As a result of the increased cost of feed grains, and the recent declines in hogs, feeders in a great many cases rushed their hogs and cattle to market. However, the indications are that the government is bending every effort to straighten out the recent disparity in corn-hog values.

Hog Prices Improve.

While the holiday season interfered with market operations to some extent, one encouraging feature was a rally in top hogs from \$3.25 the previous week to \$3.65 this week, with a subsequent setback to \$3.50 at Chicago.

Exports of lard for week ended December 16, were 15,446,000 lbs., against 9,442,000 lbs. last year; hams and shoulders, including Wiltshires, 1,080,000 lbs., against 471,000 lbs.; bacon, including Cumberlands, 814,000 lbs., against 512,000 lbs.; pickled pork, 300,000 lbs., against 82,000 lbs.

PORK—Demand was fair and the market steady at New York. Mess was quoted at \$17.00 per barrel; family, \$20.50 per barrel; fat backs, \$13.25@16.50 per barrel.

LARD—Demand was routine, but the market was steadier. Prime western at New York was quoted at 5.40@5.50c; middle western, 5.20@5.30c; New York City tierces, 4½c; tubs, 5½c; refined Continent, ex-tax, 5@5½c; South

America, 5½@5½c; Brazil kegs, 5½@5½c; compound, car lots, 7c; smaller lots, 7½c.

At Chicago regular lard in round lots was quoted at 5c under January; loose lard, 22½c under January; leaf lard, 22½c under January.

BEEF—Demand was fair and the market steady at New York. Mess was nominal; packet, nominal; family, \$10.00@11.50 per barrel; extra India mess, nominal.

See page 30 for later markets.

PORK AWARDS ARE DELAYED.

Awards of contracts for production of smoked meats from Wiltshire sides were announced by the Federal Relief Surplus Corporation on December 22, but publication of the list was held up because of a misunderstanding on the part of bidders as to application of the processing tax. Many bids were made in the belief that the bidder would not have to pay the processing tax on the hogs killed under these contracts. The contracts when issued relieved only the processed meats from the tax, leaving tax to be paid by the packer on the remainder of the carcass. Adjustment of bids was sought by many packers to take care of this discrepancy.

Hogs Yield Less Meat Value

Cut-out value of hogs declined considerably during the three-day period of the week just ended, hog costs, as well as killing costs, being higher. These were sufficient to overcome such product gains as were indicated and to increase the loss over that of a week ago.

Supplies of hogs were considerably smaller during the period but the importance of this was overcome by weakness in the demand for fresh pork during the holiday season.

Hogs scaling 230 lbs. and better were in good demand throughout the period but light lights showed the least price fluctuation. Top of \$3.75, reached on the preceding Saturday, dropped to a low top of \$3.40 on the last day of the

period and an average of \$3.25, top on Tuesday being \$3.65 and on Wednesday \$3.50. However, when compared to the close of the same time a week ago the market was 10c to 15c higher.

Receipts at the seven principal markets for the three-day period of this week totaled only 215,000 head against 393,000 head in the four days of the preceding week and 280,000 in the like period of 1932. General quality was good.

The following test is worked out on the basis of live hog costs and green product prices at Chicago during the three business days of the current week ended with Thursday, as shown in THE NATIONAL PROVISIONER DAILY MARKET SERVICE, average costs and credits being used.

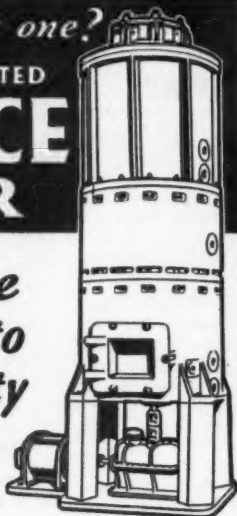
	160 to 180 lbs.	180 to 230	230 to 250	250 to 300 lbs.
Regular hams	\$1.24	\$1.23	\$1.32	\$1.21
Picnics	.28	.27	.25	.23
Boston butts	.27	.27	.27	.27
Pork loins	.93	.82	.74	.67
Bellies, light	.90	.95	.62	.20
Bellies, heavy	..	..	.19	.46
Fat backs	..	..	.13	.24
Plates and jowls	.07	.08	.09	.11
Raw leaf	.09	.09	.09	.09
P. S. lard, rend. wt.	.59	.67	.59	.55
Spare ribs	.07	.07	.07	.07
Regular trimmings	.10	.10	.09	.09
Feet, tail, neckbones	.04	.04	.04	.04
Total cutting value (per 100 lbs. live wt.)...	\$4.67	\$4.59	\$4.49	\$4.23
Total cutting yield	68.50	69.50	71.00	72.00
Crediting edible and inedible offal values to cost of live hogs plus all expenses including the following results are secured:				
Loss per cwt.	\$.18	\$.34	\$.36	\$.53
Loss per hog	.31	.68	.85	1.46

the above totals and deducting from these the processing tax of \$1.00 per hundred live weight

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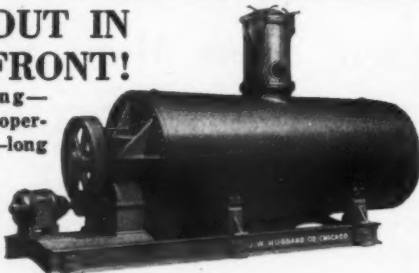
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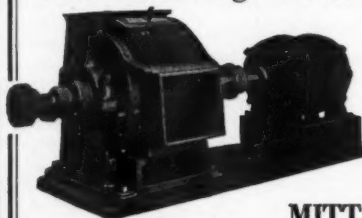


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Tallow and Grease Markets

WEEKLY REVIEW

TALLOW—A moderate to fair business appeared to have passed in the tallow market in the East the past week notwithstanding the holiday season. Export business was reported from New York on a basis of 3½c, while fair domestic sales were claimed at 3c f.o.b. for extra. The latter, however, appeared to be mostly outside stuff. This was partly due to the fact that buyers would not come up to the 3c level for New York extra, while producers, particularly the larger ones, were firm at the 3c level. The impression prevailed that next round lot business in New York extra would be at 3c f.o.b.

Reports were current at times indicating fair inquiries from abroad for tallow for January shipment, but volume of trade apparently was kept down by renewed easing in foreign exchange rates. It is quite apparent that the trend in foreign currencies will dictate the extent of export tallow trade. Should the gold price be further enhanced and the dollar suffer further depreciation, indications are that a good export business in tallow might readily be accomplished the early part of next year.

At New York, special was quoted at 2½c; extra, 2½c; edible, 4½c nominal.

At Chicago the market was steady to firm, but activity was reported limited. At Chicago, edible was quoted at 3½c; fancy, 3½c; prime packer, 3½c; No. 1, 3c; No. 2, 2½c.

There was no London tallow auction this week. At Liverpool, Argentine beef tallow, December-January shipment, was unchanged at 20s 3d. Australian good mixed, December-January shipment, was unchanged at 19s.

STEARINE—Market was quiet, with last sales at New York reported at 5c. At Chicago, stearine was quiet and about steady. Oleo was quoted at 4½c.

OLEO OIL—Quiet and routine conditions again ruled the market at New York, but prices were very steady. Extra was quoted at 5½c; prime, 5½c; lower grades, 5c.

At Chicago, market was routine and about steady. Extra was quoted at 5½c.

See page 30 for later markets.

LARD OIL—Seasonal dullness prevailed, but the market was steady. Prime at New York was 9½c; extra winter, 8c; extra, 7½c; extra No. 1, 7½c; No. 1, 7c; No. 2, 6½c.

NEATSFOOT OIL—Market was quiet but fairly steady. Pure at New York was quoted at 13c; extra, 7½c; extra No. 1, 7½c; cold test, 16½c.

GREASES—A scattered interest was reported in the grease market at New York the past week, but in the main the holiday season served to keep down trade. There was quite a little difference in price ideas. A moderate volume of domestic business passed, while little or nothing was heard of foreign interest of importance.

The tallow market was steady and gave some support to greases, but there was a tendency on the part of both sides to go slow until after the turn of the year. In some quarters yellow and house were quoted at 2½c@2½c. In other directions prices of 2½c@2½c were maintained. A white was quoted at 3½c; B white, 2½c; choice white, 3½c@3½c nominal.

There was no particular activity at Chicago, but the tone was steady to firm, influenced somewhat by reports from the East of fairly good inquiry from abroad for greases for January shipment. At Chicago, brown was quoted at 2½c; yellow, 2½c@2½c; B white, 2½c; A white, 2½c; choice white, all hog, 3c.

By-Products Markets

Chicago, Dec. 28, 1933.

Blood.

Prices continue steady and nominal

	Unit
Ground and unground.....	Ammonia.
	\$2.15@2.25

Digester Feed Tankage Materials.

Market continues firm with last week.

	Unit
Unground, 10 to 12% ammonia....	Ammonia.
Unground, 8 to 10% ammonia....	\$1.70@1.85
Liquid stick	1.75@1.85 & 10c
	1.25@1.50

Dry Rendered Tankage.

Trading slow and prices nominal.

Hard pressed and exp. unground per unit protein	\$.35@ .40
Soft prod. pork, ac. grease & quality, ton	\$22.00
Soft prod. beef, ac. grease & quality, ton	\$18.00

Packinghouse Feeds.

Buying interest light. Market steady.

	Per Ton.
Digester tankage meat meal.....	\$30.00
Meat and bone scraps, 50%	\$35.00
Steam bone meal, 65%, special feeding per ton	25.00@27.50
Raw bone meal for feeding.....	\$28.00

Fertilizer Materials.

Market steady with last week.

High grd. tankage, ground, 10@12% am.	\$1.90@ 2.00 & 10c
Bone tankage, ungrd., low gd., per ton	@15.00
Hoof meal	@ 1.95

Bone Meals (Fertilizer Grades.)

Fertilizer bone meals seasonally quiet. Prices nominal.

Steam, ground 3 & 50.....	\$20.00@22.00
Steam, unground, 3 & 50.....	18.00@19.00

Horns, Bones and Hoofs.

Buying interest continues light.

Horns, according to grade.....	\$80.00@90.00
Mfg. shin bones.....	55.00@55.00
Cattle hoofs	18.00@22.00
Junk bones	12.00@15.00

(Note—Foregoing prices are for mixed carloads of unsorted materials indicated above.)

Gelatine and Glue Stocks.

Product moving in somewhat better volume.

	Per ton.
Klip stock	\$10.00@12.00
Calif stock	12.00@15.00
Sinews, plizles	5.00@10.00
Horn piths	18.00@17.00
Cattle jaws, skulls and knuckles...	\$22.00
Hide trimmings (new style).....	4.00@ 6.00

Hide trimmings (old style).....	5.00@ 5.00
Pig skin scraps and trim, per lb....	3¼@ 3¼c

Animal Hair.

Market steady with last week.

Summer coil and field dried.....	¼@ 1c
Winter coil dried.....	1¼@ 1¼c
Processed, black, winter, per lb.....	6¼c
Processed, grey, winter, per lb.....	5¼c
Cattle switches, each*.....	1¼@ 2c

*According to count.

EASTERN FERTILIZER MARKETS.

(Special Report to The National Provisioner.)

New York, Dec. 27, 1933.

Ground tankage has been selling this week at \$2.35 & 10c f.o.b. New York, for prompt and January shipment. No sales of unground have been reported but the producers are quoting \$2.25 & 10c f.o.b. New York, which is just a little above buyers' views.

No sales of dried blood have been made for the past two weeks and the sellers are asking \$2.50 per unit, f.o.b. New York for January shipment. South American is held at \$3.00 per unit, c.i.f. U. S. ports.

No prices have been announced for sulphate of ammonia and nitrate of soda for delivery January forward but it is almost certain that the prices of both of these materials will be advanced. Buyers have been taking delivery of both of these materials in rather large quantities during December.

INCREASED OCEAN FREIGHTS.

Ocean steamship contract freight rate proposals, scheduled to become effective on January 1, which have been submitted to exporting meat packers, provide for a 25 per cent increase in the ocean rate on ordinary stowage items, including meats, lard, oleo, oils, sausages, compounds, grease, tallow and skins. The contract agreement provides that these rates are extended in return for exclusive use of conference vessels.

Rate for ordinary stowage packinghouse items for 1934 has been fixed by the steamship companies at 50c per 100 lbs. to United Kingdom and Continental ports, with the ports of Antwerp and Rotterdam getting the usual differential of 2½c, making their rate 47½c. These contract rates are 10c per 100 lbs. higher than prevailed during 1933.

Refrigerated space rates are understood to be unchanged from those of 1933 with the exception of the rate on frozen livers to the Continent. Continental steamships have had a rate of \$1.10 on cargo requiring refrigeration 20 degs. or lower but excepted frozen livers on which a rate of 85c prevailed. The new rate proposal puts the refrigeration point at 25 degs. or less and makes the frozen liver rate \$1.10.

An exclusive patronage clause provides that either party will have the right to cancel on 30 days' notice. This is expected to provide the necessary control over non-conference steamship competition either from the Atlantic coast or direct from lake ports during the season of navigation.

SOUTHERN MARKETS

New Orleans.

(Special Wire to The National Provisioner.)

New Orleans, La., Dec. 28, 1933. — Cotton oil futures are up $\frac{1}{4}$ ¢ @ $\frac{1}{2}$ ¢ lb. Crude is up $\frac{1}{4}$ ¢ lb. for the week. Bleachable is unchanged at 4¢ lb. loose New Orleans. Soapstock is $\frac{1}{4}$ ¢ lb. basis Chicago. Undertone on all cottonseed products is a shade firmer, based largely on expected improvement in business in 1934.

Dallas.

(Special Wire to The National Provisioner.)

Dallas, Tex., Dec. 28, 1933. — Prime cottonseed oil, $\frac{3}{4}$ ¢ lb.; forty-three per cent meal, \$20.00; hulls, \$8.00.

Memphis.

(Special Wire to The National Provisioner.)

Memphis, Tenn., Dec. 28, 1933. — Crude cottonseed oil, $\frac{3}{4}$ ¢ lb.; forty-one per cent protein cottonseed meal, \$20.50; loose cottonseed hulls, \$7.00.

MEMPHIS PRODUCTS MARKETS.

(Special Report to The National Provisioner.)

Memphis, Tenn., Dec. 27, 1933.

Cottonseed meal market was higher, both January and March selling at the highs for the month. Trading, while in fair volume, was largely of a spreading character, with traders buying January and selling March. Market continued to display independent strength, although doubtlessly influenced by the action of outside markets. Tuesday, January 2, will be first delivery day, but so far there has been no appearance of pressure noticeable on the January position, which would seem to indicate that it had been well liquidated. Cash situation continued light, and with a reported slight improvement in consuming channels the market at the moment would appear to be in a very healthy condition. Market closed firm at practically the highs for the day at an advance of 50@65c.

Cotton seed did not share the activity of meal, but it was also firm and higher closing at an advance of 50c on all months excepting May.

GERMANY TIGHTENS FAT RULES.

Sharp advances in German edible fat prices in recent months resulted in an increased demand for the lower grades of margarine from consumers regarded as able to buy the more expensive grades, according to the American assistant agricultural attache at Berlin. It has been found that in many cases unemployed persons holding cards entitling them to purchase cheap margarine were unable to secure any of that grade. To release supplies for card holders, and to force the better class of consumers to buy the more expensive fats, the government now requires all margarine makers to put 50 per cent of their output into the cheaper or "household" grade of margarine, and has set the retail price for the holders of cards. Holders of cards, which call for about 2 pounds of fat per month, are allowed 1½ pounds of household margarine at the fixed price of 38 pfennings per ½ kilo (11.88 cents per lb.). For the other half pound per month,

the card holder is permitted to purchase tax-free some other form of edible fat.

Manufacturing regulations covering November and December require factories to include 5 per cent of domestic neutral lard in their margarine and other edible fats. Since the price of such lard is high, its inclusion in household margarine is not required. The result is that the higher grades are carrying 10 per cent neutral lard since makers must hold the production of such grades to 50 per cent of their total output. This situation has been another factor in the price advance in edible fats. It appears, however, that manufacturers have the option of either using the expensive neutral lard in household grades of margarine and not paying the manufacturers tax on that product or vice versa.

The Research Institute for Commerce in Berlin finds that, in view of the high prices of lard, margarine and other edible fats, there has been a noticeable increase in the use of butter, according to the American consul general at Frankfurt. It is stated that, since the enactment of the prevailing measures controlling fats, retail sales of margarine have declined 30 to 35 per cent, whereas sales of butter have increased 15 per cent. The net change in total fat consumption, however, has been not more than 5 per cent, since the German consumption of butter has always exceeded that of margarine.

COTTON OIL REFINERS CODE.

A new code of fair competition for the cottonseed oil refining industry has been submitted by representatives of the industry as a substitute for the proposed code upon which a public hearing was opened in Washington. Hearings on a proposed marketing agreement will follow the code hearings. The substitute code submitted by the industry omits definition of "books and records" and sections dealing with false advertising and misbranding.

Complete elimination of those sections of the proposed code dealing with unfair methods of competition was asked by T. O. Asbury, speaking for the industry's committee. These sections relate to false advertising, misbranding as to standards of fill, identity, quality, and label requirements, and food and drugs acts requirements. Mr. Asbury stated that the industry is opposed to these provisions, on the ground that they give the Secretary of Agriculture wide powers over the cottonseed oil refining industry, but do not bring other industries under similar supervision. The requirements would be less objectionable in the form of law than as appearing in the code, the industry's representatives declared. "We believe that as far as our industry is concerned, the public is protected amply by present legislation," Mr. Asbury said. If specific abuses existed in the industry, he said, the group working on the code would be willing to confer with the Administration to "plug up the holes."

The cottonseed refining industry is the third of three groups within the cottonseed industry to present marketing agreements. Hearings have been held on agreements for ginners and crushers, and the former agreement has been tentatively accepted by the Secretary.

FAT AND OIL RESTRICTIONS.

Restriction of imports of animal, vegetable and marine oils and fats and their raw materials and control of the output of margarine is asked by the National Co-operative Milk Producers' Association in an eight-point program submitted to the AAA recently. This is in return for restricting production of milk and dairy products, the expressed feeling being that if production is to be limited to domestic needs then the domestic market should be made available to the producers.

The first section of the program as submitted to the administration provides:

"If farmers are to curtail domestic production to the requirements of the domestic market they should be assured the domestic market. No program for production control can be expected to attain the desired results (that of raising the prices of that portion of farm products domestically consumed) unless the domestic market for farm and dairy products is protected to a greater extent than has been the case in the last few years.

"If the industry should agree to a plan to control production, the Secretary of Agriculture and the President should do their part, which part involves (a) restricting the imports of dairy products and of fats and oils, and (b) controlling the manufacture of oleomargarine; such measures to be achieved either by higher tariff rates, by the use of the powers conferred by the NRA and the AAA, or by whatever other methods as may be possible." These protective measures must be taken before a production control program can be entered into with any hope of success.

GERMAN LARD TRADE.

German lard business during November was reported as "surprisingly good," several importers of American lard finding business about the equivalent of that reported in the same month a year ago, in spite of the higher duty this year. Seasonal developments and a scarcity of fats, together with the low exchange value of the dollar, are held responsible for the activity evident. Prices rose about \$1.00 during the first half of the month, then fell to about \$1.50 below opening quotations, with the average for the month at \$14.14 per cwt., duty unpaid. This was the highest price for any month since April, 1929, and the highest for November since 1928. The November, 1932, average was \$8.59.

American lard is reported as retailing in Germany at around 80 pfennings per pound, as compared with 66 pfennings to 1.10 reichsmark per pound for margarine and about 1.50 reichsmarks per pound for butter.

Lard imports into Germany during October totaling 4,000 metric tons were only one-third as large as those of October, 1932, while imports for the first ten months of the year at 60,000 tons compared with 90,000 tons in the same period a year earlier. About 75 per cent of the current year's import came from the United States.

Watch the Wanted Page for bargains.

Vegetable Oil Markets

WEEKLY REVIEW

Trade Moderate—Market Steadier—Holiday Quietness Prevailed—Betterment in Lard a Factor—Southern Pressure Light—Cash Trade Routine—Washington Developments Awaited.

Operations in cottonseed oil futures the past week were on a fair scale, but trade was moderate. Prices averaged somewhat better than the previous week, but it was quite apparent that the holiday spirit prevailed. As a result there was little disposition to increase commitments on either side.

The better feeling was traceable in the main to some rallying tendency in the western lard market. However, there was little or no pressure of oil on the market from any direction. On the other hand, cash trade was of a routine character, with a tendency reported to keep down inventories until after the turn of the year.

There was little or nothing new in the monetary developments at Washington. Further evidence that the government corn-hog campaign for 1934 is ready to begin to function on January 2, and the announcement that the Government would purchase for relief purposes some 293,000 head of hogs beginning December 27, had somewhat of a stimulating influence upon oil sentiment.

New Code Submitted.

The fact that the processing tax on hogs will remain at \$1.00 per hundredweight until February 1, 1934, instead of going to \$1.50 per hundredweight at midnight December 31, 1933, as originally proposed, also was somewhat of an aid.

A new code of fair competition for the cottonseed oil refining industry was submitted as a substitute for the first proposed code. Public hearings were opened in Washington recently and attracted some attention. However, the code was hardly a market factor. Hearings on a proposed marketing agreement will follow the code hearings it was announced. The substitute code submitted by the industry omits definition of "books and records" and sections dealing with false advertising and misbranding.

Complete elimination of the first three sections of Article 6 of the proposed code dealing with unfair methods of competition was asked by T. O. Asbury, speaking for the industries committee. These sections relate to false advertising, misbranding as to standards of fill, identity, quality, label requirements and food and drug act requirements.

The trade gave some attention to the President's budget for the coming year, but the market was mostly interested in the fact that the government's efforts to lift commodity prices have had but little success. Nevertheless, there was no disposition in evidence to discount a probable failure of an ultimate response to the campaign to reduce next year's cotton and corn acreages, and the number of hogs in the country.

Crude Markets Nominal.

Owing to the fact that there continues little in the cotton oil situation upon which independent action can be looked for, the market continued more or less under the domination of the outside trend. Consequently, when prices bulged on the President's silver proclamation, oil followed suit, but scattered realizing and holiday evening up served to slow up the advance.

Crude markets were more or less nominal throughout the week. Southeast and Valley were 3% c; Texas, 3% @ 3% c. Expectations were that following the year-end holidays, mills in the South would start up and the crude oil situation would again become a factor in the market price.

Reports still indicate that seed prices are ruling at a level relatively high compared with product. There is considerable guessing as to how much of the seed has been carried back to the farmers to be held for higher prices or to be fed.

There was quite a little discussion of Government corn loans. These, it is quite apparent, have thrown the corn-hog ratio out of line. Owing to the tendency to hold corn for better levels there has resulted a situation where livestock was forced on the market in greater volume than usual at this season.

COCOANUT OIL—Buying interest was small, and the market was dull and routine. Tanks at New York were quoted at 2% c. At the Pacific Coast, tanks were quoted at 2% @ 2% c according to position.

CORN OIL—Bids of 3% c in this market were turned down, sellers holding for 3% c Chicago.

SOYA BEAN OIL—Trade was limited and the market was barely steady. January-March were quoted at 5.30c.

PALM OIL—Inactivity continued the feature in this market. Soapers were displaying little interest, and cabled offerings were limited. Exchange rates continued to fluctuate irregularly, making for a more or less nominal market. At New York, spot Nigre was quoted at 3% c nominal; shipment Nigre, 3% @ 3% c; 12% per cent acid, 3.40c; 20 per cent, 3.30c; Sumatra, 3c.

PALM KERNEL OIL—Conditions continued nominal owing to lack of interest. Prices were quoted at 2% c bulk in bond c.i.f. New York.

OLIVE OIL—FOOTS — Demand was seasonally quiet, but the market was rather firm. Prices were quoted 6% @ 6% c New York.

RUBBERSEED OIL—Market nominal.

SESAME OIL—Market nominal.

PEANUT OIL—Market was dull and nominal and quoted at 3% @ 3% c f.o.b. southern mills.

COTTONSEED OIL—Trade was quiet and the market steady. Store oil followed futures. Crude oil was dull and nominal; southeast and Valley, 3% c; Texas, 3% @ 3% c.

Market transactions at New York:

—Range—Closing—
Sales. High. Low. Bid. Asked.

Friday, December 22, 1933.

Spot	.....	.....	.....	a	.....
Dec.	.....	.....	.....	415	a Bid
Jan.	.....	2 426	426	425	a 440
Feb.	.....	.....	.....	425	a 445
Mar.	.....	1 440	440	449	a 455
April	.....	.....	.....	450	a 470
May	.....	2 470	470	469	a 479
June	.....	.....	.....	470	a 490
July	.....	2 490	487	489	a 494

Sales, including switches, 7 contracts. Southeast crude, 3% c nominal.

Saturday, December 23, 1933.

HOLIDAY—No market.

Monday, December 25, 1933.

HOLIDAY—No market.

Tuesday, December 26, 1933.

Spot	.....	.....	.....	a	.....
Dec.	.....	.....	.....	415	a Bid
Jan.	.....	.....	.....	431	a 441
Feb.	.....	.....	.....	435	a 455
Mar.	.....	5 460	459	455	a 465
April	.....	.....	.....	455	a 475
May	.....	1 479	479	476	a 480
June	.....	.....	.....	475	a 495
July	.....	4 500	500	498	a 502

Sales, including switches, 12 contracts. Southeast crude, 3% c nominal.

Wednesday, December 27, 1933.

Spot	.....	.....	.....	a	.....
Jan.	.....	15 445	428	445	a trad
Feb.	.....	.....	.....	435	a 455
Mar.	.....	.....	.....	460	a 470
April	.....	.....	.....	465	a 480
May	.....	8 479	479	479	a 486
June	.....	.....	.....	480	a 500
July	.....	2 498	498	498	a 500
Aug.	.....	.....	.....	500	a 515

Sales, including switches, 25 contracts. Southeast crude, 3% c nominal.

Thursday, December 28, 1933.

Mar.	.....	465	462	465	a 470
May	.....	.....	486	484	483 a 488
July	.....	505	500	502	a 506

See page 30 for later markets.

OLEOMARGARINE TAXES.

Taxes on oleomargarine paid to the U. S. Bureau of Internal Revenue during November, 1933, with comparisons were as follows:

Oleomargarine,	Nov., 1933.	Nov., 1932.
Colored	\$ 4,124.80	\$ 4,035.80
Uncolored	58,889.00	50,020.45
Special Taxes	14,294.15	18,870.62

Total \$77,308.55 \$72,926.87

DOMESTIC MARGARINE.

A margarine made wholly from edible oils produced within the continental United States is being introduced to American consumers by the Capital City Products Co., Columbus, O. The product bears the name "Dixie Margarin." The oils are exclusively of vegetable origin.

Week's Closing Markets

FRIDAY'S CLOSINGS

Provisions.

Hog products were steady the latter part of the week on commission house buying of May lard and lighter offerings. Expectations of government hog purchases of 300,000 head next month have been a steadying influence. Top hogs, \$3.45. Grain heaviness checked up-turn.

Cottonseed Oil.

Cotton oil is quiet and a holiday affair. Selling pressure is small and the general situation without change. Crude is steadier; Southeast and Valley, 3¢ @ 3½¢ lb.; Texas, 3¢ @ 3½¢ lb.

Closing quotations on bleachable prime summer at New York:

Jan., \$4.40@4.53; Feb., \$4.40@4.65; Mar., \$4.62@4.65; April, \$4.65@4.82; May, \$4.78@4.83; June, \$4.80@5.00; July, \$4.98@5.00.

Tallow.

Tallow, extra, 3c lb. f.o.b.

Stearine.

Stearine, 5c lb. plant.

Friday's Lard Markets.

New York, Dec. 29, 1933. — Lard, prime western, \$5.33@5.45; middle western, \$5.12@5.25, tax included; city, 4½¢; refined Continent, 5½¢; South American, 5½¢; Brazil kegs, 5½¢; compound, car lots, 7c with the tax excluded.

BRITISH PROVISION MARKETS.

(Special Cable to The National Provisioner.)

Liverpool, Dec. 29, 1933.—General market steady and firm. Good demand for hams but lard and picnics dull. Receipts of hams small.

Friday's prices were as follows: Hams, American cut, 78s; hams, long cuts, 78s; Liverpool shoulders, square, none; picnics, none; short backs, unquoted; bellies, English, 60s; Wiltshires, unquoted; Cumberlands, exhausted; Canadian Wiltshires, 70s; Canadian Cumberlands, 56s; spot lard, 28s 6d.

LIVERPOOL PROVISION MARKETS.

Arrivals of Continental bacon in the United Kingdom during the week ended December 14 totaled 64,794 bales compared with 53,460 bales the previous week and 75,795 bales in the 1932 period. Prices of first quality product at Liverpool for the week ended December 14 with comparisons were quoted as follows:

	Dec. 14, 1933.	Dec. 7, 1933.	Dec. 15, 1932.
American green bellies.....	\$14.23	\$14.67	\$ 7.75
Danish green sides.....	17.53	17.46	9.29
Canadian green sides.....	15.60	15.21	8.32
American short cut green			
hams.....	17.45	17.40	9.31
American refined lard.....	6.73	9.14	6.58

BRITISH U. S. BACON CONTROL.

License has been granted the Liverpool Provision Trade Association, of which Harwood Banner & Sons are secretaries, to import all American bacon which is consigned to Great Britain ex-

cept that portion which is purchased in America by the Co-operative Wholesale Society. This latter amount is understood to be small.

Under this license no bacon from a packer whose name does not appear in the list, and no bacon from any packer whose name does appear on the list, but which is in excess of the quantity allocated to him, will be permitted to pass the British customs.

Allotment of bacon to the United States from November 10, 1933, to February 28, 1934, amounts to 120,321 cwt. Bacon is defined in the British regulations to mean "the carcass of a pig or any part thereof which has been salted, pickled, or otherwise cured other than the head, feet, rind and offal, and includes ham."

GERMAN HOGS AND LARD.

Hog prices at Berlin during the week ended December 14 were quoted at \$14.55 per cwt. as a gainst \$15.06 a week earlier and \$7.56 a year earlier. Lard in tierces at Hamburg was priced at \$21.27 per cwt. for the week ended December 14, \$13.05 the previous week and \$8.28 a year ago.

HULL OIL MARKETS.

Hull, England, Dec. 27, 1933. — (By Cable.)—Refined cottonseed oil, 15s 9d; Egyptian crude cottonseed oil, 13s 3d.

Watch the Markets!

It's just as important to know the market when prices are low as when they are high.

It is vital to know the market when prices are fluctuating up or down.

The time seems near when market fluctuations upward can be looked for. *In such times it is easy to buy or sell a car of product anywhere from ¼c to 1c under the market.*

A car sold at ¼c under the market costs the seller \$37.50; at ½c under he loses \$75.00; at ¾c under he loses \$112.50; at 1c under he loses \$150.00.

The same is true of BUYERS of carlot product. If they pay over the going market they stand to lose similar amounts.

THE NATIONAL PROVISIONER'S DAILY MARKET SERVICE gives an exact reflection of the market and the market price on each of the full trading days of the week.

Cost of this service for a whole year can be more than saved in a single carlot transaction made at ¼c variation from actual market price.

Information furnished by THE DAILY MARKET SERVICE is vital to anyone handling meats on a carlot basis. For full information, write THE NATIONAL PROVISIONER, 407 S. Dearborn St., Chicago, Ill.

CANNED MEAT EXPORTS.

Exports of canned meats from the United States during October, 1933, are reported by the U. S. Department of Commerce as follows:

	Lbs.	Value.
Canned beef	73,497	\$22,223
Canned pork	823,577	216,379
Canned sausage	139,951	30,087
Other canned meats	33,552	6,957

In addition there were shipped to Hawaii and Porto Rico 218,496 lbs. of canned beef; 97,831 lbs. of canned pork; 33,069 lbs. of canned sausage and 22,337 lbs. of other canned meat.

The United Kingdom was the largest buyer, taking 55,622 lbs. of canned beef, 711,551 lbs. of canned pork, 41,373 lbs. of canned sausage and 9,255 lbs. of other canned meats. The Philippine Islands took 2,299 lbs. of canned beef, 14,320 lbs. of canned pork, 51,486 lbs. of canned sausage and 2,516 lbs. of other canned meats.

GERMAN MEAT TRADE.

German meat prices were lower in November, according to returns from twelve larger German markets. Average prices for medium quality were lower than in October by 2 per cent for hogs and 6 per cent for calves, with cattle and sheep unchanged. Prices, however, were generally higher than in November, 1932, hogs by 15 per cent, cattle by 3 per cent and sheep by 35 per cent. Meat consumption during the third quarter of the year increased about 1 lb. per capita compared with a year ago. This is the first time since 1931 that an increase in meat consumption in Germany has been apparent in comparison with the year previous. The increase is attributed not only to the heavier slaughter of livestock but to the heavier average weight of animals. Imports of meat into Germany during the first ten months of the year were about 28 per cent less than in the same period of the preceding year. All products, except fresh livers, suffered a decline.

MEAT IMPORTS AT NEW YORK.

Principal meat imports at New York for the week ended December 23, 1933:

Point of origin.	Commodity.	Amount.
Argentina—Canned corned beef.....		264,600 lbs.
Canada—Sausage		330 lbs.
Canada—Bacon		5,085 lbs.
Canada—Pork cuts		2,160 lbs.
Czechoslovakia—Ham		654 lbs.
Germany—Ham		4,642 lbs.
Germany—Sausage		1,170 lbs.
Germany—Bacon		165 lbs.
Holland—Ham		1,735 lbs.
Italy—Ham		1,164 lbs.
Italy—Sausage		3,392 lbs.
Italy—Salami		1,375 lbs.
Uruguay—Canned corned beef		9,000 lbs.

ARGENTINE BEEF EXPORTS.

Cable reports of Argentine exports of beef this week up to Dec. 29, 1933, show exports from that country were as follows: To the United Kingdom, 72,265 quarters; to the Continent, 5,445. Exports the previous week were: To England, 140,070 quarters; to Continent, 4,325.

LARD AND GREASE EXPORTS.

Exports of lard from New York City, Dec. 1, 1933, to Dec. 27, 1933, totaled 18,994,252 lbs.; tallow, 3,817,720 lbs.; greases, 80,000 lbs.; stearine, 345,600 lbs.

Hide and Skin Markets

Chicago.

PACKER HIDES—An advance of a half-cent was obtained in the packer hide market on about 15,000 hides late Wednesday, following the movement of about 90,000 Dec. hides earlier the same day at prices steady with last week. The local small packer association also sold 8,700 Dec. hides at the advanced price, and an outside packer moved 3,000 branded cows same basis.

The hide market recently has shown a strong tendency to be influenced mostly by outside financial and political news and to ignore the rather strong statistical position of raw stocks. Hides are generally considered as reasonably priced at present and, with the shoe run expected to get under way within a couple weeks, improvement in the leather market is expected.

With the easier opening of all other commodity markets early this week, packers finally accepted steady prices for about 90,000 Dec. hides, all packers participating. Native, butt branded and heavy Texas steers sold at 9c; extreme light native steers and light native cows 9c flat; Colorados 8½c; light Texas steers 8c; heavy native cows and branded cows 8½c. An Indiana packer also sold 15,000 Dec. hides same basis at the close of last week.

A number of unfilled orders remained in the market, and the sharp upturn in prices on the Exchange brought in some interest from Exchange traders. One packer sold 10,000 hides at a half-cent advance, consisting of native steers and extreme light native steers at 9½c, and Colorados at 9c. Another packer moved 5,000 at the advance, native steers 9½c and light native cows 9½c flat. The trading by the Association followed, same basis. Later, an outside packer sold 3,000 branded cows at 9c, a similar advance.

Further interest has been shown by tanners in native steers and light native cows at 9½c, with packers inclined to look on for the time, the recent heavy movement having depleted stocks. Market appears firmly established at the advance.

SMALL PACKER HIDES—Couple local small packers still holding Dec. hides, with sellers' ideas around 9½c for native all-weights and 9c for branded. Outside small packer lots quoted proportionately lower, down to 8½c for native all-weights.

Local small packer association sold 8,700 Dec. hides mid-week at the half-cent over last week, including 1,500 native steers at 9½c, 1,000 extreme light native steers 9½c, 1,500 Colorados 9c, 700 heavy native cows 9c, 3,000 light native cows 9½c, and 1,000 branded cows, 9c.

FOREIGN WET SALTED HIDES—There was an active trade late this week in the South American market, with sales of Argentine frigorifico steers to Europe at \$27.50 gold, equal to 10½c, c.i.f. New York, and later sales at \$28.00 or 10½c, as against \$27.50 or 10½c paid last week.

COUNTRY HIDES—Country market a little more active, with the firmer feeling in the packer market. Prices are quoted in a rather wide range, however. Some quoting all-weights at

7½c, selected, delivered, for trimmed hides, while some untrimmed all-weights sold this week at 7½c selected, and offerings light. Heavy steers and cows 6@6½c, nom. Several cars buff weights reported at 7½c, untrimmed, with trimmed held at 8c; several cars untrimmed extremes reported at 8½c, selected, with trimmed held at 9c, while others quoting 8@8½c, according to quality. Bulls and glues 4@4½c. All-weight branded 5½@6c, flat, less Chicago freight.

CALFSKINS — Packer calfskins quiet; two packers still holding several cars Nov. calfskins, and quoting last sale prices, basis 21½c for preferred point northern heavies, 20½c for River point heavies, and 15½c for all lights.

Chicago city calfskins last sold at 16c for the 10/15-lb., about ten days back; bids of 12½c declined for the 8/10-lb., asking up to 13½c. Outside cities, 8/15-lb., quoted around 14½c, nom.; mixed cities and countries around 13c; straight countries about 9c. Last sale of Chicago city light calf and deacons was at \$1.00.

KIPSKINS — Packer Nov. kipskins were cleaned up earlier, except for a few over-weights, at 15c for northern natives and 14c for northern over-weights, southern a cent less; branded kips sold at 12c. These prices are asked.

Chicago city kipskins last sold at 13½c several weeks back, and market quoted around 13c, nom., at present. Outside cities 12½@13c; mixed cities and countries around 11c; straight countries about 8½c.

Packer regular slunks last sold at 75c, and 85c is asked.

HORSEHIDES — Market about unchanged, with choice city renderers quoted \$3.30@3.50, mixed city and country lots \$2.90@3.00.

SHEEPSKINS—Dry pelts quoted 16@16½c for full wools, short wools 12c, pieces and torn skins 7@8c. Demand for packer shearlings light but production also very light; generally quoted 55@60c for No. 1's, 45@50c for No. 2's, and 35@40c for clips, top prices asked and inside prices recently paid; however, a car No. 1's sold last week at 60c, these being scarce and generally being pulled by packers. Pickled skins quoted in a range of \$4.00@4.25 per dozen straight run of packer lamb at Chicago, for current quality; offerings are light and the low prices are based principally on the poor quality available at this season. Last sale reported at New York was \$4.00 per doz. for Dec. skins, not packer production. Packer woolled lambs last sold at \$2.35 per cwt. live lamb at Chicago. Outside small packer lamb pelts \$1.35@1.40.

New York.

PACKER HIDES — Three packers moved their Dec. steers early mid-week at 9c for native and butt branded steers and 8½c for Colorados; all-weight cows were cleaned up previous week at 8c. Market quotable a half-cent higher at present on all descriptions.

CALFSKINS — Calfskin market reported quiet, with last sale prices quoted in a nominal way, 5-7's at \$1.25@1.40; 7-9's at \$1.90@2.00, and 9-12's at \$2.60@2.70, inside prices for collectors' skins, top for packers. The 17-lb. kips last sold at \$3.25.

N. Y. HIDE FUTURE PRICES.

Saturday, Dec. 23, 1933—Holiday.

Monday, Dec. 25, 1933—Holiday.

Tuesday, Dec. 26, 1933—Close: Mar. 9.75b; June 10.15@10.25; Sept. 10.55@10.65; Dec. 10.75b; sales 40 lots. Closing 5@10 points lower.

Wednesday, Dec. 27, 1933—Close: Mar. 10.25 sale; June 10.70@10.80; Sept. 11.05@11.15; Dec. 11.35n; sales 65 lots. Closing 50@60 points higher.

Thursday, Dec. 28, 1933—Close: Mar. 10.45 sale; June 10.90@10.94; Sept. 11.25@11.30; Dec. 11.50@11.75; sales 25 lots. Closing 15@20 points higher.

Friday, Dec. 29, 1933—Close: Mar. 10.20@10.30; June 10.70@10.75; Sept. 11.10@11.15; Dec. 11.35b; sales 9 lots. Closing 15@25 points lower.

No session of Exchange Sat., Dec. 23rd, or Mon., Dec. 25th.

CHICAGO HIDE MOVEMENT.

Receipts of hides at Chicago for the five days ended December 22, 1933, were 3,346,000 lbs.; previous week, 5,648,000 lbs.; same week last year, 3,848,000 lbs.; from January 1 to December 22 this year, 223,691,000 lbs.; same period a year ago, 196,290,000 lbs.

Shipments of hides from Chicago for the five days ended December 22, 1933, were 3,913,000 lbs.; previous week, 5,093,000 lbs.; same week last year, 4,029,000 lbs.; from January 1 to December 22 this year, 255,336,000 lbs.; same period a year ago, 255,287,000 lbs.

CHICAGO HIDE QUOTATIONS.

Quotations on hides at Chicago for the week ended Dec. 29, 1933, with comparisons, are reported as follows:

PACKER HIDES.			
	Week ended Dec. 29.	Prev. week.	Cor. week, 1932.
Spr. nat.	9½@10n	9 @ 9½n	@ 6
Hvy. nat. str.	@ 9½b	@ 9	@ 5
Hvy. Tex. str.	@ 9½n	@ 9	@ 5
Hvy. butt brand' d str.	@ 9½n	@ 9	@ 5
Hvy. Col. str.	@ 9	@ 8½	@ 4½
Ex-light Tex. str.	@ 9	@ 8½	@ 4
Brnd'd cows.	@ 9	@ 8½	@ 4
Hvy. nat. cows	@ 9	@ 8½	@ 4
Lt. nat. cows	@ 9½b	@ 9	@ 4½
Nat. bulls	5½ @ 6n	5½ @ 5½	@ 3½
Brnd'd bulls.	5 @ 5½n	@ 5	@ 3
Calfskins	15½ @ 21½	15½ @ 19½	@ 6
Kips, nat.	@ 15ax	@ 15n	@ 6½
Kips, ov-wt.	@ 14ax	@ 14n	@ 5½
Kips, brnd'd	@ 12ax	@ 12n	@ 4½n
Slunks, reg.	@ 85	75 @ 80	@ 37½
Slunks, hrls.	@ 80	40 @ 50	@ 25

Light native, butt branded and Colorado steers 1c per lb. less than heavies.

CITY AND SMALL PACKERS.			
Nat. all-wts.	9 @ 9½n	8½ @ 9n	4 @ 4½n
Branded	8½ @ 9n	8 @ 8½n	3½ @ 4n
Nat. bulls	@ 5½	@ 5	@ 3½n
Brnd'd bulls.	@ 5	@ 5	@ 2½n
Calfskins	13 @ 16	13 @ 16	5½ @ 6½
Kips	@ 13n	@ 13n	@ 6ax
Slunks, reg.	@ 70	65 @ 70	@ 3n
Slunks, hrls.	@ 35	30 @ 35	@ 25n

COUNTRY HIDES.			
Hvy. steers	6 @ 6½	6 @ 6½	3 @ 3½
Hvy. cows	6 @ 6½	6 @ 6½	3 @ 3½
Butts	7 @ 8	7 @ 7½	3½ @ 3½
Extremes	8 @ 9	8 @ 8½	4½ @ 4½
Bulls	4 @ 4½	4 @ 4	3½ @ 4
Calfskins	@ 9	@ 8	@ 3½
Kips	@ 8½	@ 8½	@ 3½
Light calf	50 @ 60n	50 @ 60n	@ 25n
Deacons	50 @ 60n	50 @ 60n	@ 25n
Slunks, reg.	@ 20n	@ 20n	@ 10n
Slunks, hrls.	@ 10n	@ 10n	@ 5n
Horsehides	2.00 @ 3.50	2.00 @ 3.50	1.55 @ 2.00

SHEEPSKINS.			
Pkr. lambs ....	.....	.....	.....
Sml. pkr. ....	.....	.....	.....
lamb	1.37 @ 1.40	1.20 @ 1.30	50 @ 55
Pkr. shearings	@ 60	55 @ 60	30 @ 32½
Dry pelts	@ 16½	16 @ 16½	5 @ 5½

Live Stock Markets

CHICAGO

(Reported by U. S. Bureau of Agricultural Economics.)

Chicago, Dec. 28, 1933.

CATTLE—Strictly good and choice heavy steers strong; common and medium grades, 25c lower. It was largely a steer run, with medium weight and weighty kinds predominating. Extreme top heavies, \$6.00, paid for 1,467-lb. averages; medium weights, \$6.15; numerous loads weighty steers, \$4.75@5.75, these scaling 1,350 to 1,600 lbs.; best 1,616-lb. averages, \$5.25. All light steers and yearlings were unevenly higher; better grades, strong to 25c up; lower grades, fully 25c higher; all light heifer and mixed yearlings, 50c to \$1.00 higher. Long yearlings topped at \$6.50; mixed offerings, \$6.25; best light heifers, \$6.00. Medium to good grade heifer and mixed yearlings showed maximum upturn; other killing classes, strong to unevenly higher; all cows, 25c higher; bulls, 25@40c higher; vealers, \$1.50@2.00 higher; practical top sausage bulls, \$3.25; selected vealers, up to \$7.50.

HOGS—Compared with last Friday: Market steady to 10c higher; packing sows, 10@15c higher; closing top, \$3.40, within 15c of December low; 190- to 210-lb. weights, jumped to \$3.75 last Saturday on short supply, but advance did not hold. Price spread is now very narrow. Closing bulks follow: 180 to 220 lbs., \$3.35 and \$3.40; 230 to 300 lbs., \$3.25@3.35; few 230 to 240 lbs., \$3.40; 160 to 180 lbs., \$3.10@3.35; light lights, \$3.20 downward; pigs, \$2.35@2.65; strongweights, \$2.75; packing sows, \$2.50@2.75, best \$2.85.

SHEEP—Compared with close last week: Fat lambs, 25@35c higher, aged sheep and yearlings sharing part of advance. Light receipts were principal factor in abrupt post-holiday advance, and tendency to increase runs contributed to reaction late. Week's top, \$7.95, highest since mid-August; bulk better grades, \$7.50@7.85; closing top, \$7.75; clipped lambs, \$6.30@6.60 mostly; yearlings, \$5.65@6.00; fat ewes, \$2.50@3.65 according to kind.

Watch "Wanted" page for bargains in equipment.

KANSAS CITY

(Reported by U. S. Bureau of Agricultural Economics.)

Kansas City, Kans., Dec. 28, 1933.

CATTLE—Better grades of light weight fed steers, yearlings and choice heavies met a fairly broad demand and are selling strong to 25c higher than a week ago. Other weights and classes predominated in the week's arrivals and closing levels are about steady. Week's best price was \$6.00, paid for several choice lots scaling from 937 to 1,038 lbs. Numerous loads of long yearlings and light steers sold from \$5.65@5.90, but bulk of fed offerings ranged from \$3.75@5.50. Choice 1,342-lb. steers scored \$5.50, while some 1,602-lb. weights of the same grade made \$4.25. Fed heifers and mixed yearlings sold at steady to 25c higher rates. Slaughter cows were scarce, and firm prices prevailed. Bulls are around 25c higher. Vealers advanced 50c in some cases, with top at \$6.00.

HOGS—An uneven trade featured the hogs market, and closing levels are little changed from a week ago. On the mid-week session top reached \$3.35, but at finish best 190- to 220-lb. weights had to sell at \$3.20. Most of the more desirable grade of 170 lbs. up ranged from \$3.05@3.15 on the final session. Underweights were extremely dull at the close. Some sales were as much as 25c under a week ago. Better grades of 140- to 160-lb. weights sold from \$2.50@3.00, but plainer kinds ranged down to \$2.00. Packing sows are strong to 10c higher, with \$2.25@2.60 covering range in prices.

SHEEP—A weaker undertone on Thursday's trade erased a part of recent sharp advance in fat lambs values, but prices are still well above a week ago. Woolled lambs are selling at 35@50c higher prices, while clippers are around 25c over late last week. Choice fed woolled lambs scored \$7.60 on Wednesday, but a similar kind had to sell at \$7.45 today. Best natives reached \$7.25, while late sales ranged from \$7.10 down. Choice clippers brought \$6.25 at the peak, but at the finish most sales ranged from \$5.85@6.15. Mature sheep closed strong, with best fat ewes up to \$3.35.

OMAHA

(Reported by U. S. Bureau of Agricultural Economics.)

Omaha, Neb., Dec. 28, 1933.

CATTLE—Light receipts, coupled with a broader shipping demand, carried prices unevenly higher during the week. Compared with the close of last week, yearlings and light steers are 15@25c higher, with weighty steers and medium weights 25@50c up. Heifers held steady; supplies of cows were light and prices advanced 25@50c. Bulls gained 25c, and vealers fully 50c. Long yearlings, 1,056 lbs. and 1,072 lbs., topped for the week at \$6.10. Strictly choice 1,309 lbs. weights earned \$6.00, and 1,382-lb. averages \$5.65. Choice selected vealers sold at \$5.50.

HOGS—Comparisons with last Saturday show hog prices steady to 5c higher. Thursday's top \$3.10, with following bulks: 180 to 290 lbs., \$2.90@3.00; 290 to 350 lbs., \$2.75@2.90; 140 to 180 lbs., \$2.50@2.90; sows, \$2.30@2.50; pigs, \$1.75@2.25; stags, \$1.75@2.00.

SHEEP—Under broad demand lamb prices were advanced 25@50c from last Friday's level, while matured sheep ruled strong. Thursday's bulk fed woolled lambs, \$7.35@7.50; top, \$7.60; sorted native lambs, mostly \$7.25@7.35; fed clipped lambs, \$6.00@6.30; good and choice yearlings, \$5.00@6.00; good and choice ewes, \$2.00@3.25.

ST. LOUIS

(Reported by U. S. Bureau of Agricultural Economics.)

East St. Louis, Ill., Dec. 28, 1933.

CATTLE—All slaughter cattle and calves showed advances the current week. Compared with the close of the preceding week, steers sold 25@50c higher; mixed yearlings and heifers, 50c higher; cowstuff, 25c higher, some beef kinds up more; sausage bulls, 25@40c higher; vealers, \$1.25 higher. Bulk of steers brought \$3.40@5.60; top yearlings, \$6.25; best matured kinds, \$5.75; top heavies, \$4.75. Most mixed yearlings and heifers claimed \$4.00@5.50; top mixed yearlings, \$6.00; best heifers, \$5.50. Most beef cows earned \$2.25@2.75; top, \$3.50; majority low cutters, \$1.25@1.75. Period closed with top sausage bulls, \$3.00; top vealers, \$7.00.

HOGS—Compared with last Friday, small change was evident in hog prices. Sharp advances were scored early in

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the week, but buyers effaced these in subsequent trading. One small lot of strictly choice hogs scored \$3.40 Thursday; practical top, \$3.35; bulk of weights 160 lbs. up, \$3.30; 130 to 150 lbs., \$2.65@3.15; 120 lbs. and down, \$2.00@2.60. Packing sows closed at \$2.15@2.40.

SHEEP—Lamb prices showed strong trends throughout the current week and closed 25@50c higher than last Friday. Sheep were unchanged. Butchers and shippers established a top of \$7.75 for the week, majority to packers at \$7.25 and \$7.50, mostly \$7.50. Fall clipped lambs sold up to \$7.25, and clipped Texas lambs varied from \$6.00@6.50; common throwouts, mostly \$4.00@5.00; fat ewes, \$2.00@3.00.

SIoux CITY

(Reported by U. S. Bureau of Agricultural Economics.)

Sioux City, Ia., Dec. 28, 1933.

CATTLE—Most slaughter steers and yearlings advanced fully 25c this week, and some better grade heavy and medium weight heifers registered 25@40c upturns. Choice yearlings and medium weight heifers scored \$6.25, and 1,455-lb. bullocks reached \$5.25. Most grain feds moved at \$4.25@5.50. Heifers showed more action, and cows registered 25@35c gains. Load lots of good light heifers cashed at \$5.10, beef cows cleared freely at \$2.25@2.75, and low cutters and cutters bulked at \$1.50@2.00. Bull values improved 25c, and medium grades ranged up to \$2.50. Vealers remained at last week's schedule, with a \$4.50 practical top.

HOGS—Mild price fluctuations featured the seasonal supply of hogs, with the ups and downs about balancing. Under increased receipts on closing sessions the early advance was wiped out, with most classes rated steady with last Friday. Thursday's top rested at \$3.00, with bulk of 160- to 320-lb. weights ranging \$2.90@3.00. Light lights cleared mainly at \$2.50@2.90, with packing sows moving at \$2.40@2.60.

SHEEP—The recent general cold wave added impetus to buyer demand and lifted the midweek fat lamb top to \$7.65; bulk, \$7.50@7.60, mostly 50@65c over late last week levels. Later strong pressure was brought to reduce cost to around \$7.25@7.50. Several loads 116-lb. slaughter ewes cashed at \$3.25, and desirable 102- to 112-lb. fed yearlings made \$5.90@6.25.

ST. JOSEPH

(Reported by U. S. Bureau of Agricultural Economics.)

St. Joseph, Mo., Dec. 28, 1933.

CATTLE—The week's cattle market was uneven. Desirable light and medium weight fed steers and long yearlings sold 15@25c higher; other steers strong; comon to medium light yearlings and heifers very little changed from last week. Choice 1,100-lb. steers brought \$6.00; nothing strictly choice here; best 1,188-lb. steers, \$5.75; 1,349-lb. averages, \$5.25; 1,428-lb. steers, \$4.85; bulk desirable fed steers and yearlings, \$4.25@5.75; common to medium kinds, \$3.00@4.00; load good 638-lb. heifers, \$5.25. Cows finished fully 25c higher; bulls, strong to 10c up; vealers, strong to 50c higher; bulk beef cows, \$2.25@2.75, few \$3.00@3.25; cutter grades, \$1.50@2.15; bulls, \$2.25

@2.40; practical top vealers, \$5.50; selects, \$6.00.

HOGS—Hog prices strengthened materially the first two days, but most of the improvement was erased when prices sagged off 15c today. Top Wednesday at \$3.35 was highest for three weeks; today's top, \$3.20 sparingly; bulk desirable hogs, \$3.10 and \$3.15; light lights and poorly finished hogs, \$2.50@3.00; top sows, \$2.60; bulk, \$2.35@2.50. Prices today were strong to 5c higher than last week.

SHEEP—Prices on slaughter lambs and yearlings are 25@50c higher than last week's close, fed woolled lambs leading the upturn with a full 50c advance. Top fed lambs yesterday and today brought \$7.60, the highest since mid-August; bulk fed lambs, \$7.50@7.60; best natives, \$7.00@7.25. No fresh clipped lambs offered; several shipments of August clips, \$6.50; best fat yearlings, \$6.15; aged sheep, firm; best fat ewes, \$3.25.

CANADIAN LIVESTOCK PRICES.

Leading Canadian centers, top livestock price summary, week Dec. 21:

BUTCHER STEERS.

Up to 1,050 lbs.

	Week ended Dec. 21.	Prev. week.	Same week, 1932.
Toronto	\$ 6.10	\$ 5.50	\$ 4.75
Montreal	4.75	4.75	4.00
Winnipeg	4.75	4.00	4.00
Calgary	3.75	4.00	3.15
Edmonton	4.50	4.25	3.75
Prince Albert	2.75	2.75	2.75
Moose Jaw	3.25	3.50	3.50
Saskatoon .....	.....	.....	3.00

VEAL CALVES.

	Week ended Dec. 21.	Prev. week.	Same week, 1932.
Toronto	\$ 7.50	\$ 7.50	\$ 7.00
Montreal	7.50	7.00	7.00
Winnipeg	6.50	6.50	6.50
Calgary	3.50	4.00	3.50
Edmonton	4.00	4.00	4.00
Prince Albert	4.50	4.50	2.50
Moose Jaw	4.50	4.50	5.00
Saskatoon	4.50	5.00	4.00

SELECT BACON HOGS.

	Week ended Dec. 21.	Prev. week.	Same week, 1932.
Toronto	\$ 7.25	\$ 7.00	\$ 4.50
Montreal	7.50	7.00	4.65
Winnipeg	6.50	6.55	3.75
Calgary	6.35	6.25	3.35
Edmonton	6.40	6.35	3.25
Prince Albert	6.20	6.05	3.45
Moose Jaw	6.25	6.10	3.40
Saskatoon	6.20	6.05	3.45

GOOD LAMBS.

	Week ended Dec. 21.	Prev. week.	Same week, 1932.
Toronto	\$ 7.75	\$ 8.50	\$ 5.50
Montreal	7.00	7.00	5.50
Winnipeg	6.00	6.25	4.00
Calgary	5.50	5.50	3.75
Edmonton	6.00	6.00	3.75
Prince Albert .....	.....	3.75	.....
Moose Jaw	5.00	5.00	3.50
Saskatoon	5.25	5.25	3.50

RUMANIA CUTS HOG SURPLUS.

It is reported that the government of Rumania is planning to slaughter 600,000 hogs for the purpose of raising the market price of pork. The meat will be distributed among distressed villages in Transylvania.

CORN BELT DIRECT TRADING.

(Reported by U. S. Bureau of Agricultural Economics.)

Des Moines, Ia., Dec. 28, 1933.

A sharp break on Thursday sent hog prices at 22 concentration points and 7 packing plants in Iowa and Minnesota to the lowest level for the week and around steady to 5c lower compared with last week's close. Total receipts for week to date were comparatively light, but Thursday's run was about the largest mid-week run of season. Sales of 190- to 260-lb. butchers were made at \$2.85@3.10; long hauled carloads, to \$3.15@3.20; better 160 to 180 lbs., \$2.65@3.00; light and medium weight backing sows, \$2.00@2.50.

Receipts of hogs unloaded daily at these 22 concentration points and 14 packing plants for the week ended Dec. 28, were as follows:

	This week.	Last week.
Fri., Dec. 22	41,500	46,500
Sat., Dec. 23	45,200	33,400
Mon., Dec. 25	Holiday	.....
Tues., Dec. 26	47,600	41,600
Wed., Dec. 27	17,200	44,400
Thurs., Dec. 28	50,400	24,200

RECEIPTS AT CHIEF CENTERS.

Combined receipts at principal markets, week ended Dec. 22, 1933:

At 20 markets:	Cattle.	Hogs.	Sheep.
Week ended Dec. 22	160,000	631,000	284,000
Previous week	208,000	681,000	328,000
1932	124,000	533,000	260,000
1931	75,000	407,000	201,000
1930	200,000	624,000	356,000
1929	184,000	790,000	207,500
1928	171,000	890,000	260,000

Hogs at 11 markets:

Week ended Dec. 22	Cattle.	Hogs.	Sheep.
Week ended Dec. 22	125,000	485,000	201,000
Previous week	125,000	500,000	233,000
1932	92,000	388,000	185,000
1931	54,000	319,000	164,000
1930	152,000	472,000	270,000
1929	132,000	607,000	215,000
1928	127,000	652,000	198,000

At 7 markets:

Week ended Dec. 22	Cattle.	Hogs.	Sheep.
Week ended Dec. 22	125,000	485,000	201,000
Previous week	125,000	500,000	233,000
1932	92,000	388,000	185,000
1931	54,000	319,000	164,000
1930	152,000	472,000	270,000
1929	132,000	607,000	215,000
1928	127,000	652,000	198,000

KINDS OF LIVESTOCK KILLED.

Classification of livestock slaughtered in the United States during September, with comparisons, is reported as follows:

	Cattle	Hogs	Sheep and lambs
Sept., 1933	49.13	46.08	4.79
Sept., 1932	47.92	47.51	4.57
Av., 1932	54.36	42.06	3.58
1932	49.13	46.08	4.79
1931	47.92	47.51	4.57
1930	54.36	42.06	3.58
1929	49.13	46.08	4.79
1928	47.92	47.51	4.57
1927	54.36	42.06	3.58

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PACKERS' PURCHASES

Purchases of livestock by packers at principal centers for the week ending Saturday, December 23, 1933, with comparisons, are reported to THE NATIONAL PROVISIONER as follows:

CHICAGO.

	Cattle.	Hogs.	Sheep.
Armour and Co.	4,633	15,941	11,390
Swift & Co.	4,467	13,491	16,823
Morris & Co.	2,239	.....	6,104
Wilson & Co.	3,801	15,620	5,080
Anglo-Amer. Prov. Co.	1,493	.....	.....
G. H. Hammond Co.	1,128	2,708	.....
Libby, McNeill & Libby.	725	.....	.....
Shippers	11,383	8,735	11,470
Others	7,864	45,404	3,352

Brennan Pkg. Co., 2,800 hogs; Independent Pkg. Co., 1,680 hogs; Boyd, Lunham & Co., 2,855 hogs; Hygrade Food Products Corp., 3,140 hogs; Agar Pkg. Co., 8,571 hogs.

Total: 38,733 cattle, 6,721 calves, 107,246 hogs, 54,799 sheep.

Not including 1,033 cattle, 2,076 calves, 81,402 hogs and 16,445 sheep bought direct.

KANSAS CITY.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Co.	2,468	656	5,532	3,429
Cudahy Pkg. Co.	2,557	714	1,255	3,458
Morris & Co.	2,068	490	1,852	.....
Swift & Co.	2,682	606	10,778	4,298
Wilson & Co.	2,852	574	3,218	3,805
Independent Pkg. Co.	.....	.....	333	.....
Jos. Baum Pkg. Co.	207	.....	.....	10
Others	2,622	23	4,143	4,954

Total: 15,256 cattle, 3,035 calves, 25,259 hogs, 20,706 sheep.

OMAHA.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Co.	5,031	17,122	7,950	.....
Cudahy Pkg. Co.	2,793	11,634	7,780	.....
Dold Pkg. Co.	707	7,068	.....	.....
Morris & Co.	1,797	1,042	3,703	.....
Swift & Co.	4,605	6,080	6,413	.....
Others	.....	12,407	.....	.....

Eagle Pkg. Co., 6 cattle; Geo. Hoffman Pkg. Co., 15 cattle; Grt. Omaha Pkg. Co., 31 cattle; J. Roth & Sons, 38 cattle; So. Omaha Pkg. Co., 37 cattle; Lincoln Pkg. Co., 313 cattle; Nagle Pkg. Co., 77 cattle; Sinclair Pkg. Co., 117 cattle; Wilson & Co., 350 cattle; Omaha Pkg. Co., 68 cattle.

Total: 17,483 cattle and calves; 58,963 hogs; 25,946 sheep.

EAST ST. LOUIS.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Co.	2,192	1,434	8,515	1,948
Swift & Co.	2,793	2,541	5,551	2,796
Morris & Co.	693	1,850	.....	982
Hunter Pkg. Co.	808	.....	8,018	78
Krey Pkg. Co.	.....	.....	1,005	.....
Hell Pkg. Co.	.....	.....	1,801	.....
Shippers	1,655	2,681	15,088	1,057
Others	2,722	208	26,271	99

Total: 10,773 cattle, 8,714 calves, 66,249 hogs, 8,352 sheep.

Not including 1,804 cattle, 2,300 calves, 44,053 hogs and 1,785 sheep bought direct.

ST. LOUIS.

	Cattle.	Calves.	Hogs.	Sheep.
Krey Pkg. Co.	.....	.....	776	50
Selloff Pkg. Co.	.....	.....	1,272	.....
American Pkg. Co.	37	.....	.....	.....
Laclede Pkg. Co.	56	.....	537	.....
Sokolik Pkg. Co.	57	22	.....	21
Glaser Pkg. Co.	20	27	.....	14
Shippers	160	235	813	.....
Others	129	11	126	60

Total: 408 cattle, 285 calves, 3,514 hogs, 693 sheep.

ST. JOSEPH.

	Cattle.	Calves.	Hogs.	Sheep.
Swift & Co.	2,295	654	18,919	9,679
Armour and Co.	2,502	624	17,423	5,387
Others	524	23	600	633

Total: 5,321 cattle, 1,301 calves, 36,942 hogs, 15,699 sheep.

SIOUX CITY.

	Cattle.	Calves.	Hogs.	Sheep.
Cudahy Pkg. Co.	3,635	213	17,930	8,662
Armour and Co.	3,874	194	21,836	6,305
Swift & Co.	2,840	108	13,002	4,410
Shippers	1,565	28	4,246	247
Others	213	8	63	.....

Total: 12,127 cattle, 651 calves, 57,077 hogs, 17,623 sheep.

OKLAHOMA CITY.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Co.	1,385	316	1,514	407
Wilson & Co.	1,364	308	1,500	361
Others	90	23	587	.....

Total: 2,848 cattle, 645 calves, 3,610 hogs, 768 sheep.

Not including 117 cattle, 63 calves, and 442 hogs bought direct.

DENVER.

	Cattle.	Calves.	Hogs.	Sheep.
Swift & Co.	361	122	3,682	8,117
Armour and Co.	520	126	2,398	18,773
Others	1,182	122	3,155	2,356

Total: 2,063 cattle, 370 calves, 9,203 hogs, 29,246 sheep.

WICHITA.

	Cattle.	Calves.	Hogs.	Sheep.
Cudahy Pkg. Co.	1,140	651	1,937	964
Dold Pkg. Co.	264	50	1,116	15
Wichita D. B. Co.	13	.....	.....	.....
Dunn-Ostergart	80	.....	.....	.....
Fred W. Dold & Sons	54	.....	339	1
Sunflower	24	.....	104	.....

Total: 1,620 cattle, 701 calves, 3,496 hogs, 980 sheep.

Not including 3,425 hogs bought direct.

ST. PAUL.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Co.	2,063	3,837	15,923	7,560
Cudahy Pkg. Co.	240	605	.....	.....
Swift & Co.	3,760	5,448	24,724	9,504
United Pkg. Co.	1,004	40	.....	.....
Others	950	12	13,682	1,700

Total: 8,659 cattle, 9,951 calves, 54,300 hogs, 18,764 sheep.

MILWAUKEE.

	Cattle.	Calves.	Hogs.	Sheep.
Plankinton Pkg. Co.	34	7,107	14,940	1,112
U. D. B. Co., N. Y.	1,944	.....	.....	.....
The Layton Co.	.....	.....	1,068	.....
R. Gumz & Co.	108	.....	61	6
Armour and Co., Mil.	676	3,528	.....	.....
Armour & Co., Chgo.	102	.....	.....	.....
N.Y.B.D.M. Co., N.Y.	20	.....	.....	.....
Shippers	633	16	40	28
Others	404	398	124	202

Total: 3,921 cattle, 11,051 calves, 16,239 hogs, 1,348 sheep.

INDIANAPOLIS.

	Cattle.	Calves.	Hogs.	Sheep.
Kingman & Co.	1,321	607	19,721	1,398
Armour and Co.	337	130	1,394	39
Hilgmeier Bros.	10	.....	1,041	.....
Brown Bros.	37	11	113	12
Stumpf Bros.	.....	.....	117	.....
Indiana Prov. Co.	40	8	214	.....
Meyer Pkg. Co.	49	.....	287	.....
Schusler Pkg. Co.	23	.....	293	.....
Maass-Hartman Co.	33	5	.....	.....
Art Wabnitz	13	30	.....	19
Shippers	1,287	2,094	20,340	3,165
Others	589	128	377	77

Total: 3,739 cattle, 3,013 calves, 43,903 hogs, 4,710 sheep.

CINCINNATI.

	Cattle.	Calves.	Hogs.	Sheep.
S. W. Gall's Sons.	.....	.....	.....	32
Ideal Pkg. Co.	.....	.....	459	.....
E. Kahn's Sons Co.	947	517	3,371	359
Kroger G. & B. Co.	171	67	1,990	.....
J. Lohrey Pkg. Co.	4	.....	272	.....
H. H. Meyer Pkg. Co.	5	.....	3,735	.....
A. Sander Pkg. Co.	7	.....	934	.....
J. Schlichter's Sons.	149	131	3,165	85
J. & F. Schroth Pkg.	27	.....	14	.....
John F. Stegner Co.	242	200	.....	.....
Shippers	117	462	5,289	167
Others	1,190	467	21,260	254

Total: 2,851 cattle, 1,045 calves, 21,604 hogs, 861 sheep.

RECAPITULATION.

Recapitulation of packers' purchases by markets for week ended Dec. 23, 1933, with comparisons:

	Week ended, Dec. 23.	Prev. week, Dec. 16.	Cor. 1932.
Chicago	38,733	47,063	28,963
Kansas City	15,256	18,933	15,622
Omaha	17,483	19,037	12,956
East St. Louis	10,773	15,675	7,715
St. Louis	408	745	.....
St. Joseph	6,852	4,589	4,589
St. Paul	12,127	12,534	6,821
Sioux City	2,848	3,558	2,340
Wichita	1,620	1,688	871
Denver	2,433	3,270	2,438
St. Paul	8,659	9,951	5,885
Milwaukee	3,921	4,133	2,287
Indianapolis	3,739	4,524	3,390
Cincinnati	2,851	3,086	2,586

Total: 126,172 cattle, 150,942 calves, 96,065 hogs, 52,407 sheep.

CATTLE.

	Week ended, Dec. 23.	Prev. week, Dec. 16.	Cor. 1932.
Chicago	38,733	47,063	28,963
Kansas City	15,256	18,933	15,622
Omaha	17,483	19,037	12,956
East St. Louis	10,773	15,675	7,715
St. Louis	408	745	.....
St. Joseph	6,852	4,589	4,589
St. Paul	12,127	12,534	6,821
Sioux City	2,848	3,558	2,340
Wichita	1,620	1,688	871
Denver	2,433	3,270	2,438
St. Paul	8,659	9,951	5,885
Milwaukee	3,921	4,133	2,287
Indianapolis	3,739	4,524	3,390
Cincinnati	2,851	3,086	2,586

Total: 126,172 cattle, 150,942 calves, 96,065 hogs, 52,407 sheep.

HOGS.

	Week ended, Dec. 23.	Prev. week, Dec. 16.	Cor. 1932.
Chicago	107,246	117,128	74,936
Kansas City	25,259	27,587	15,380
Omaha	58,963	45,796	45,002
East St. Louis	66,249	50,440	43,675
St. Louis	3,514	4,597	.....
St. Joseph	36,942	33,910	22,457
St. Paul	57,077	50,728	38,877
Sioux City	3,610	4,696	.....
Wichita	3,496	3,419	4,516
Denver	9,203	3,270	2,438
St. Paul	54,300	64,405	66,378
Milwaukee	16,239	20,743	17,280
Indianapolis	43,903	66,723	30,242
Cincinnati	21,604	28,949	14,757

Total: 507,614 hogs, 525,407 calves, 388,612 hogs, 146,985 sheep.

SHEEP.

	Week ended, Dec. 23.	Prev. week, Dec. 16.	Cor. 1932.
Chicago	54,799	79,826	52,411
Kansas City	20,706	22,354	13,198
Omaha	25,946	23,016	19,406
East St. Louis	8,352	8,971	8,062
St. Louis	693	977	.....
St. Joseph	15,899	24,184	10,482
St. Paul	17,623	16,108	11,459
Sioux City	1,391	1,681	.....
Wichita	980	1,010	625
Denver	29,246	42,172	4,703

Total: 146,985 sheep, 198,521 hogs, 52,407 calves.

St. Paul	18,764	14,778	23,096
Milwaukee	1,838	1,653	1,391
Indianapolis	4,710	7,208	10,620
Cincinnati	1,645	1,590	2,335
Total	201,379	245,208	100,067

CHICAGO LIVESTOCK

Statistics of livestock at the Chicago Union Stock Yards for current and comparative periods:

RECEIPTS.

	Cattle.	Calves.	Hogs.	Sheep.
Mon., Dec. 18	18,268	2,035	37,631	20,325
Tues., Dec. 19	6,973	2,531	50,376	12,027
Wed., Dec. 20	8,904	1,895	39,696	10,821
Thurs., Dec. 21	3,166	1,743	26,728	12,263
Fri., Dec. 22	1,349	632	24,387	11,819
Sat., Dec. 23	300	200	21,000	5,000

Total this week: 38,930 cattle, 9,056 calves, 199,818 hogs, 72,228 sheep.

Previous week: 47,757 cattle, 8,905 calves, 195,535 hogs, 85,379 sheep.

Year ago: 37,879 cattle, 7,259 calves, 156,609 hogs, 60,612 sheep.

Two years ago: 20,236 cattle, 5,183 calves, 127,829 hogs, 58,974 sheep.

SHIPMENTS.

Previous week	14,068	656	7,860	22,287
Year ago	10,023	519	19,478	16,805
Two years ago ..	9,885	616	32,950	23,046
Total receipts for month and year to Dec. 23, with comparisons:				
—December—		Year.		
	1933.	1932.	1933.	1932.
Cattle	128,062	112,296	2,035,222	1,978,201
Calves	30,131	23,116	435,274	442,672
Hogs	580,474	510,376	7,047,196	6,450,138
Sheep	254,803	219,219	3,479,009	3,806,752

RECEIPTS AT CENTERS

SATURDAY, DECEMBER 23, 1933.

	Cattle.	Hogs.	Sheep.
Chicago	300	21,000	5,000
Kansas City	100	800	1,000
Omaha	100	2,000	1,100
St. Louis	200	4,000	50
St. Joseph	100	1,500	5,500
Sioux City	100	2,000	600
St. Paul	200	2,500	500
Fort Worth	100	100	500
Denver	100	900	2,600
Louisville	100	600	100
Wichita	300	500	100
Indianapolis	100	2,000	1,500
Pittsburgh	100	300	200
Cincinnati	100	1,400	100
Buffalo	200	700	100
Nashville	100	400	100
Oklahoma City	400	.....	.....

MONDAY, DECEMBER 25, 1933.

HOLIDAY.

TUESDAY, DECEMBER 26, 1933.

Chicago	12,000	45,000	18,000
Kansas City	7,000	5,000	5,000
Omaha	5,500	2,500	8,000
St. Louis	2,500	12,500	2,000
St. Joseph	1,000	4,000	2,000
Sioux City	2,500	4,000	4,500
St. Paul	1,500	4,000	1,500
Fort Worth	100	1,400	300
Milwaukee	500	2,000	300
Denver	1,000	2,300	13,900
Louisville	300	900	500
Wichita	400	1,400	600
Indianapolis	1,500	9,000	1,200
Pittsburgh	300	2,800	800
Cincinnati	500	2,000	300
Buffalo	700	5,800	1,400
Cleveland	600	1,400	1,500
Nashville	100	1,100	200
Oklahoma City	200	800	400

WEDNESDAY, DECEMBER 27, 1933.

Chicago	10,000	22,000	8,000
Kansas City	5,000	3,000	6,500
Omaha	5,000	7,500	9,500
St. Louis	2,000	7,000	1,500
St. Joseph	3,400	6,500	3,000
Sioux City	2,600	8,000	2,500
St. Paul	2,000	6,000	3,000
Fort Worth	500	500	500
Milwaukee	400	1,800	200
Denver	300	400	2,600
Louisville	100	600	400
Wichita	300	700	100
Indianapolis	1,200	6,000	800
Pittsburgh	500	600	600
Cincinnati	100	400	300
Buffalo	200	600	600
Cleveland	200	600	600
Nashville	200	300	300
Oklahoma City	900	500	200

THURSDAY, DECEMBER 28, 1933.

Chicago	8,000	30,000	17,000
Kansas City	3,000	3,000	5,000
Omaha	4,500	9,000	11,000
St. Louis	1,800	9,000	2,500
St. Joseph	1,300	6,500	3,500
Sioux City	3,400	11,000	4,000
St. Paul	2,000	9,500	3,600
Fort Worth	300	300	200
Milwaukee	500	1,300	200
Denver	400	1,400	2,300
Louisville	200	500	100
Wichita	300	500	400
Indianapolis	600	8,000	1,500
Pittsburgh	100	1,500	800
Cincinnati	500	5,000	100
Buffalo	100	600	300
Cleveland	200	1,000	400
Nashville	100	300	200
Oklahoma City	600	600	300

FRIDAY, DECEMBER 29, 1933.

Chicago	3,000	30,000	12,000
Kansas City	1,000	3,500	1,200
Omaha	1,500	5,000	3,500
St. Louis	800	9,000	1,000
St. Joseph	1,600	6,500	2,000
Sioux City	900	6,000	2,800
St. Paul	2,200	14,000	500
Fort Worth	400	800	600
Denver	200	1,700	1,900
Wichita	2,000	1,400	400
Indianapolis	400	9,600	2,500
Pittsburgh	1,900	300	300
Cincinnati	1,200	4,500	200
Buffalo	200	3,500	2,000

U. S. INSPECTED HOG KILL.

Inspected hog kill at 8 points during week ended Friday, Dec. 23, 1933, as reported to THE NATIONAL PROVISIONER:

	Week ended Dec. 23.	Prev. week.	Cor.
Chicago	226,140	198,972	173,623
Kansas City, Kan.	71,699	52,144	60,129
Omaha	52,246	37,494	38,485
St. Louis & East St. Louis	30,095	43,437	32,282
Sioux City	58,018	41,780	32,289
St. Joseph	41,712	30,081	60,970
St. Paul	80,312	60,601	26,137
N. Y., Newark, J. C.	61,531	66,457	60,204
Total	671,753	553,976	504,113

LIVESTOCK PRICES AT LEADING MARKETS.

Livestock prices at five leading Western markets Thursday, Dec. 28, 1933, as reported by the U. S. Bureau of Agricultural Economics:

	CHICAGO.	E. ST. LOUIS.	OMAHA.	KANS. CITY.	ST. PAUL.
Hogs (Boft or oily hogs and roasting pigs excluded):					
La. lt. (140-180 lbs.) gd-ch.	\$2.85@ 3.20	\$8.00@ 3.30	\$2.50@ 2.90	\$2.50@ 3.05	\$2.60@ 3.10
La. wt. (160-180 lbs.) gd-ch.	3.10@ 3.40	3.30@ 3.35	2.75@ 2.85	2.90@ 3.15	3.00@ 3.10
(180-200 lbs.) gd-ch.	3.30@ 3.40	3.30@ 3.35	2.85@ 3.00	3.10@ 3.20	3.05@ 3.10
Med. wt. (200-220 lbs.) gd-ch.	3.25@ 3.40	3.25@ 3.30	2.90@ 3.10	3.05@ 3.20	2.95@ 3.10
(220-250 lbs.) gd-ch.	3.20@ 3.35	3.25@ 3.30	2.85@ 3.00	3.00@ 3.15	2.75@ 3.05
(250-350 lbs.) gd-ch.	3.00@ 3.25	3.20@ 3.25	2.75@ 2.90	2.90@ 3.10	2.60@ 2.90
Pkg. covs (275-500 lbs.) med-ch.	2.70@ 2.90	2.50@ 2.60	2.40@ 2.50	2.50@ 2.65	2.40@ 2.50
(350-425 lbs.) good	2.60@ 2.75	2.25@ 2.40	2.35@ 2.45	2.35@ 2.50	2.30@ 2.45
(325-550 lbs.) good	2.40@ 2.70	2.20@ 2.30	2.30@ 2.40	2.20@ 2.35	2.15@ 2.35
(275-550 lbs.) good	2.35@ 2.60	2.15@ 2.35	2.25@ 2.40	2.15@ 2.35	2.15@ 2.45
Sltr. pigs (100-130 lbs.) gd-ch.	2.25@ 2.75	2.00@ 2.90	.....	2.15@ 2.35	2.25@ 2.65
Av. cost & wt. Thur. (Pigs excl.)	3.31-226 lbs.	3.35-203 lbs.	2.97-234 lbs.	3.11-227 lbs.	.....

Slaughter Cattle and Calves:

STEERS (600-900 LBS.):

Choice	6.00@ 6.75	5.75@ 6.25	5.75@ 6.25	5.85@ 6.40	5.40@ 5.85
Good	5.25@ 6.25	5.25@ 5.75	5.25@ 5.75	5.15@ 6.00	4.50@ 5.40
Medium	4.50@ 5.50	4.00@ 5.25	4.25@ 5.25	3.75@ 5.15	3.50@ 4.50
Common	3.00@ 4.75	2.75@ 4.00	3.00@ 4.25	2.75@ 3.75	2.25@ 3.50

STEERS (900-1100 LBS.):

Choice	6.00@ 6.50	5.75@ 6.25	5.50@ 6.25	5.50@ 6.40	5.15@ 5.75
Good	5.25@ 6.00	5.25@ 5.75	5.00@ 5.75	4.85@ 5.85	4.35@ 5.35
Medium	4.50@ 5.25	4.00@ 5.25	4.00@ 5.25	3.75@ 5.15	3.25@ 4.50
Common	3.00@ 4.50	2.75@ 4.00	3.00@ 4.25	2.75@ 3.75	2.00@ 3.50

STEERS (1100-1300 LBS.):

Choice	5.50@ 6.25	5.25@ 6.00	5.15@ 6.00	4.85@ 6.00	4.85@ 5.65
Good	5.00@ 5.75	5.00@ 5.75	4.50@ 5.50	4.00@ 5.00	4.25@ 5.25
Medium	3.75@ 5.00	3.75@ 5.25	3.50@ 5.00	3.25@ 4.85	3.15@ 4.50

STEERS (1300-1500 LBS.):

Choice	5.25@ 6.00	5.00@ 5.50	4.75@ 5.75	4.50@ 5.50	4.65@ 5.40
Good	4.25@ 5.25	4.25@ 5.25	4.00@ 5.15	3.75@ 4.85	3.50@ 4.85

HEIFERS (550-850 LBS.):

Choice	6.00@ 6.50	5.75@ 6.25	5.50@ 6.00	5.25@ 6.00	5.25@ 5.75
Good	5.00@ 6.00	5.25@ 5.75	4.50@ 5.50	4.35@ 5.50	4.35@ 5.25
Medium	3.00@ 5.00	2.75@ 5.25	2.50@ 5.50	2.50@ 4.85	2.25@ 4.50
Common	4.50@ 6.25	.....	4.50@ 5.75	4.35@ 5.75	4.00@ 5.65

COWS:

Choice	3.00@ 5.00	.....	2.50@ 4.50	2.50@ 4.35	2.00@ 4.25
Good	2.75@ 3.75	2.75@ 3.25	2.50@ 3.25	2.50@ 3.00	2.65@ 3.75
Com-med.	2.35@ 2.75	2.25@ 2.75	2.25@ 2.75	2.00@ 2.50	1.85@ 2.65
Low cutter and cutter	1.40@ 2.35	1.00@ 2.25	1.50@ 2.25	1.25@ 2.00	1.00@ 1.85

BULLS (YRLS. EX. BEEF):

Good-choice	3.00@ 3.50	3.00@ 3.25	2.35@ 3.00	2.50@ 2.75	2.40@ 3.00
Cul-med.	2.50@ 3.25	2.00@ 3.00	1.75@ 2.50	1.65@ 2.50	1.50@ 2.65

VEALERS (MILK FED):

Good-choice	5.50@ 7.25	5.50@ 7.00	4.50@ 5.50	5.00@ 6.50	4.00@ 5.50
Medium	4.00@ 5.50	4.50@ 5.50	3.50@ 4.50	3.50@ 5.00	3.00@ 4.00
Cul-med.	3.00@ 4.00	2.00@ 4.50	2.50@ 3.50	2.00@ 3.50	1.50@ 3.00

CALVES (250-500 LBS.):

Good-choice	3.00@ 4.00	4.00@ 5.00	3.25@ 4.25	3.50@ 4.50	3.00@ 5.00
Cul-med.	2.00@ 3.00	2.00@ 4.00	2.00@ 3.25	2.00@ 3.50	1.50@ 3.00

Slaughter Sheep and Lambs:

LAMBS:					
90 lbs. down) gd-ch.	7.00@ 7.75	6.75@ 7.50	7.25@ 7.75	7.00@ 7.50	7.00@ 7.50
Com-med.	5.00@ 7.00	4.00@ 7.00	5.00@ 7.25	4.75@ 7.00	5.00@ 7.00

YEARLING WETHERS:

(90-110 lbs.) gd-ch.	5.00@ 6.25	4.50@ 6.00	4.75@ 6.00	5.25@ 6.00	4.50@ 5.75
Medium	4.00@ 5.00	3.75@ 4.50	3.75@ 4.75	4.25@ 5.25	3.75@ 4.50

EWES:

(90-120 lbs.) gd-ch.	2.65@ 3.65	2.25@ 3.00	2.00@ 3.25	2.40@ 3.35	2.25@ 3.35
(120-150 lbs.) gd-ch.	2.25@ 3.50	1.75@ 2.75	1.75@ 3.00	2.25@ 3.25	2.00@ 3.35
(All weights) com-med.	1.50@ 2.75	1.00@ 2.25	1.00@ 2.00	1.25@ 2.40	1.50@ 2.25

SLAUGHTER REPORTS

Special reports to THE NATIONAL PROVISIONER show the number of livestock slaughtered at 16 centers for the week ended Dec. 23, 1933, with comparisons:

	CATTLE.		SHEEP.
	Week ended Dec. 23.	Cor. week, 1932.	
Chicago	28,380	33,118	59,774
Kansas City	18,291	22,769	70,905
Omaha	15,479	17,364	20,706
East St. Louis	15,151	18,938	28,732
St. Joseph	6,287	7,806	30,639
Sioux City	12,127	12,534	21,398
Wichita	4,321	4,321	6,095
Fort Worth	4,594	4,320	7,778
Philadelphia	1,795	1,616	15,266
Indianapolis	1,321	1,079	17,023
New York & Jersey City	9,722	8,106	15,266
Oklahoma City	3,073	4,141	23,284
Cincinnati	2,719	3,858	16,106
Denver	2,433	3,758	1,010
St. Paul	7,700	8,363	3,437
Milwaukee	2,896	3,725	2,220
Total	133,004	155,962	641,706

HOGS.

Chicago	183,042	195,398	130,000
Kansas City	71,699	52,144	60,129
Omaha	50,944	39,088	33,821
East St. Louis	51,161	47,535	23,474
St. Joseph	32,313	17,867	17,867
Sioux City	57,077	50,728	29,998
Wichita	6,921	7,808	6,820
Fort Worth	4,573	5,864	3,848
Philadelphia	.....	22,498	23,240
Indianapolis	.....	2,854	17,355
New York & Jersey City	63,376	58,132	61,275
Oklahoma City	4,032	4,006	5,885
Total	671,753	553,976	504,113

NEW YORK LIVESTOCK.

Receipts of livestock at New York markets for week ended Dec. 23, 1933:

	Cattle.	Calves.	Hogs.	Sheep.
Jersey City	5,268	7,220	5,638	27,900
Central Union	2,296	1,335	1,335	11,841
New York	250	2,878	19,471	6,670
Total	7,823	11,433	25,100	45,760
Previous week	7,493	10,695	22,377	51,888
Two weeks ago	6,612	12,677	20,964	51,195

Chicago Section

Edw. A. Schenk, vice president, Columbus Packing Co., Columbus, O., was a Chicago visitor this week.

E. G. James, head of the E. G. James Co., packinghouse products brokers, is out of town on a business trip.

Dan'l J. Gallagher, packinghouse product broker, left Chicago this week for a vacation in Florida.

Employees of Swift & Company at Chicago have subscribed \$32,000 to the Chicago Community Chest fund.

Robert Bechstein, of the S. Oppenheimer & Co. organization, is the proud father of a baby boy born on Wednesday of this week.

Edward Sieberg, of the Cudahy Packing Co., who has been confined in St. Joseph's hospital with an attack of influenza, returned to his home this week.

Joseph P. Murphy, general manager of the Mayflower Packing Co., Denver, Colo., has been quite ill with an attack of flu, but is reported as improving.

Purchases of livestock at Chicago by principal packers for the first three days of this week totaled 16,854 cattle, 1,669 calves, 50,298 hogs, 26,373 sheep.

W. Gottshall, formerly superintendent of the Hoy Food Products Co., Milwaukee, Wis., has taken over the Etowah Packing Co. at Gadsen, Ala., and will operate it under the name of the Dixie Meat Products Co.

Fred C. Cahn, "the stockinette king," left Chicago on Dec. 30 for a visit to New York, Boston and the New England states. The trip is a combination of business and pleasure and Mr. Cahn contemplates visiting a number of mills.

John W. Hall, Chicago packinghouse broker and literary genius, has returned from a Christmas vacation with the Mayo Brothers at Rochester, Minn., still enthusiastic over his health philosophy and ready to welcome a bigger and better New Year.

Otto J. Martin, well-known sausage expert now in charge of sausage room operations for Karl Seiler & Sons, famous Philadelphia manufacturers of quality sausage, has been spending his holiday vacation with his family in Chicago.

Philip C. Newsome, for ten years with the Akron, O., branch of Armour and Company, during which time he rose from shipping clerk to manager, has been transferred to Albany, N. Y., as

assistant district manager of that territory.

Provision shipments from Chicago for the week ended Dec. 22, 1933, with comparisons, were as follows:

	5 days Dec. 22.	Previous week.	Same week, '32.
Cured meats, lbs.	13,435,000	14,119,000	14,000,000
Fresh meats, lbs.	46,887,000	50,740,000	43,941,000
Lard, lbs.	5,447,000	5,885,000	8,346,000

Among visitors at the general offices of Armour and Company the past week were Ray Dooley, manager produce department, St. Joseph, Mo.; J. P. Sexton, produce department, Rochester, N. Y., and A. W. Stand, manager, casings department, New York City.

Among packer executives attending committee meetings at the Institute of

American Meat Packers this week were John W. Rath, Rath Packing Co., Waterloo, Ia.; L. W. Kahn, E. Kahn Sons' Co., Cincinnati, O.; Geo. N. Meyer, Meyer Packing Co., Indiana, Pa.; Chester G. Newcomb, Lake Erie Provision Co., Cleveland, O.; R. S. Sinclair and E. C. Merritt, Kingan & Co., Indianapolis, Ind.; H. H. Meyer, H. H. Meyer Packing Co., Cincinnati, O.; H. W. Davis, John Morrell & Co., Ottumwa, Ia.; Chas. O'Hara, Cudahy Brothers Co., Cudahy, Wis.; Jay E. Decker, Jacob E. Decker & Sons, Mason City, Ia.; G. L. Childress, Houston Packing Co., Houston, Tex.; Wm. E. Felin, Wm. E. Felin & Co., Philadelphia, Pa.; Frank A. Hunter, Hunter Packing Co., East St. Louis, Ill.

PACKER AND FOOD STOCKS.

Price ranges of packers', leather companies', chain stores' and food manufacturers' listed stocks, Dec. 27, 1933, or nearest previous date, with number of shares dealt in during week, and closing prices, on Dec. 20, 1933:

	Sales, Week ended, Dec. 27.	High. Dec. 27.	Low. Dec. 27.	Clos- ing, Dec. 20.
Amal. Leather	500	3 3/4	3 3/4	3 3/4
Do. Pfd.	700	25	25	23 1/2
Amer. H. & L.	700	7 1/2	7 1/2	7 1/2
Do. Pfd.	1,000	28 1/2	27	28 1/2
Amer. Stores	1,600	36 1/2	35 1/2	35 1/2
Armour A.	21,050	4 1/2	4 1/2	4 1/2
Do. B.	21,050	2 1/2	2 1/2	2 1/2
Do. Ill. Pfd.	13,800	57 1/2	54	55 1/2
Do. Del. Pfd.	200	75	75	75 1/2
Beechnut Pack.	200	61	61	61
Bohack, H. C.	.....	.....	.....	90
Do. Pfd.	.....	.....	.....	15
Brennan Pack.	.....	.....	.....	19
Do. Pfd.	.....	.....	.....	50
Chick. Co. Oil.	400	17	17	18
Childs Co.	2,600	6 1/2	6 1/2	6 1/2
Cudahy Pack.	7,100	36 1/2	35 1/2	37 1/2
First Nat. Stirs.	2,500	54 1/2	53 1/2	54 1/2
Gen. Foods	18,600	33 1/2	32 1/2	32 1/2
Gobel Co.	22,900	6 1/2	6 1/2	6 1/2
Gr. A. & Pst. Pfd.	30	120	120	120
Do. New	340	122	115	121
Hornel, G. A.	.....	.....	.....	18 1/2
Hygrade Food.	700	3 1/2	3 1/2	3 1/2
Kroger G. & B.	9,700	24	22 1/2	23 1/2
Lobby McNeill.	5,950	2 1/2	2 1/2	2 1/2
McMarr Stores	.....	.....	.....	5 1/2
Mayer, Oscar	.....	.....	.....	2 1/2
Mickelberry Co.	200	2 1/2	2 1/2	2 1/2
M. & H. Pfd.	50	7 1/2	7 1/2	7 1/2
Morrell & Co.	200	35	35	35
Nat. Fd. Pd. A.	.....	.....	.....	1 1/2
Do. B.	.....	.....	.....	1 1/2
Nat. Leather	5,050	7 1/2	7 1/2	7 1/2
Nat. Tea	2,700	15 1/2	15 1/2	15 1/2
Proc. & Gamb.	9,200	38 1/2	37 1/2	37 1/2
Do. Pr. Pfd.	210	106	106	106 1/2
Rath Pack.	.....	.....	.....	43 1/2
Safeway Stirs.	5,700	44 1/2	44 1/2	44 1/2
Do. 7% Pfd.	1,060	82 1/2	82 1/2	83
Do. 7% Pfd.	90	100 1/2	100 1/2	97 1/2
Stahl Meyer	200	5	3 1/2	3 1/2
Swift & Co.	33,800	13 1/2	13 1/2	13 1/2
Do. Intl.	4,500	27	26 1/2	27 1/2
Trums Pork	.....	.....	.....	12 1/2
U. S. Cold. Stor.	.....	.....	.....	33 1/2
U. S. Leather	2,700	8 1/2	7 1/2	8
Do. A.	3,600	14 1/2	13 1/2	13 1/2
Do. Pr. Pfd.	200	60	60	60 1/2
Wesson Oil	6,000	17	16 1/2	16 1/2
Do. Pfd.	400	53 1/2	53	53 1/2
Wilson & Co.	2,400	4 1/2	4 1/2	4 1/2
Do. A.	6,000	12 1/2	11 1/2	11 1/2
Do. Pfd.	1,900	53	50	53



TURKEY FOR YARDS YOUNGSTERS.

Following his annual custom Charles E. Herrick, president of the Brennan Packing Company, entertained about 400 underprivileged children from the neighborhood of Packingtown at a bountiful turkey dinner at the Stock Yards Inn on December 27. They insisted that their benefactor carve the turkey. Here he is doing it.

A dozen packers and trade leaders were Mr. Herrick's guests on this occasion, and got a big kick out of what they witnessed.

When in need of expert packinghouse workers watch the classified pages of THE NATIONAL PROVISIONER.



PACKERS COMMISSION CO.

SPECIALIZING IN DRESSED HOGS FROM THE HOG BELT

CHICAGO BOARD OF TRADE BLDG. : : Phone Webster 3113

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ST. LOUIS, MO.

MERCHANDISING MEAT EXHIBIT.

Packers are frequent exhibitors at state fairs and other similar events. There can be no doubt that money for such displays is well spent, particularly if they are attractive and have been constructed with the aim of conveying certain definite thoughts to those who view them. In some cases, however, they probably are not as valuable as they might have been made, because of a lack of any direct advertising or good-will tieup.

How the most value can be derived from a display such as the packer might be expected to make is illustrated in the experience of the Carstens Packing Co. at the Washington State Fair. This was built at a cost of several thousand dollars and it is estimated that it was viewed by at least 170,000 people.

The company was not content, however, to build the display and let it speak for itself. Back of the exhibit, visible to all, was a modern-equipped workroom for five meat cutters and their assistants. From this workroom went all of the meats sold on the fair grounds. The volume of this business was larger than might be thought possible, as much as two tons of hamburger and a ton of frankfurters being handled through the room daily.

Displays in the cases were changed

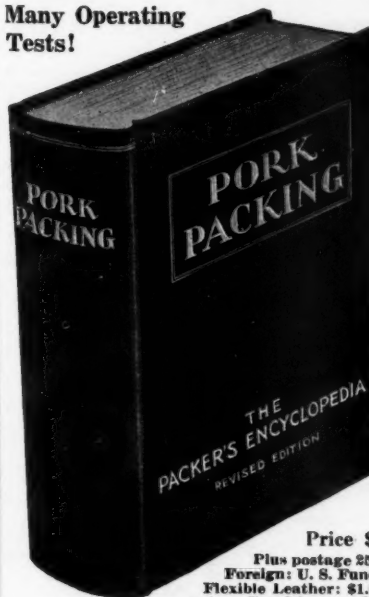
daily, the finest beef, lamb and pork being shown. A home economist from the general offices of the company was on duty day and evening in front of the display to explain the features of the exhibit, build good-will for the company and describe the various cuts, how to use them to the best advantage in the home, etc. Each day for an hour before noon a cutting demonstration and lecture were given. One expert meat

cutter worked inside, making the cuts. Another explained the method and the cuts as the work proceeded.

Executives of the company feel that this display, designed by president W. H. Wells, was not only particularly valuable from the standpoint of educating consumers on meat, and thereby directly aiding in increasing meat consumption, but that it also was a worthwhile instrument for winning good-will and increased business for this particular packer.

SOLVES PORK PACKING PLANT PROBLEMS!

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Tests!



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TOLD MEAT PACKER'S STORY TO 170,000 MEAT CONSUMERS.

This display of the Carstens Packing Co. at the Washington State fair was more than an exhibit of carcasses and cuts. Five meat cutters prepared all the meat consumed on the fair grounds each day, and a home economist was in attendance to answer questions. A cutting demonstration and lecture was given each day. The display was of considerable value as a means of educating consumers and building good-will and business for the company.

Chicago Provision Markets

Reported by THE NATIONAL PROVISIONER DAILY
MARKET SERVICE

CASH PRICES.

Based on actual carlot trading Thursday,
Dec. 28, 1933.

REGULAR HAM.

	Green Standard.	Sweet Pickled Standard.	Fancy.
8-10	9 1/4	9 1/4	10 1/4
10-12	9 1/4	9 1/4	9 1/4
12-14	9 1/4	9 1/4	9 1/4
14-16	9 1/4	9 1/4	10
16-18	9 1/4 @ 9 1/4		

BOILING HAM.

	Green Standard.	Sweet Pickled Standard.	Fancy.
16-18	9 1/4	10	10 1/4
18-20	9 1/4	10	10 1/4
20-22	9 1/4	10	10 1/4
22-24	9 1/4		

SKINNED HAM.

	Green Standard.	Sweet Pickled Standard.	Fancy.
10-12	10	9 1/4	9 1/4
12-14	10	9 1/4	9 1/4
14-16	10	9 1/4	9 1/4
16-18	9 1/4	9 1/4	9 1/4
18-20	9 1/4	9 1/4	9 1/4
20-22	9 1/4	9 1/4	9 1/4
22-24	9 1/4	9 1/4	9 1/4
24-26	9 1/4	9 1/4	9 1/4
26-28	9 1/4	9 1/4	9 1/4
28-30	9 1/4	9 1/4	9 1/4
30-32	9 1/4	9 1/4	9 1/4

PICNICS.

	Green Standard.	Sweet Pickled Standard.	Sh. Shank.
4-6	5 1/4	6	6 1/4
6-8	5 1/4	5 1/4	6
8-10	5 1/4	5 1/4	6
10-12	5 1/4	5 1/4	6
12-14	5 1/4	5 1/4	6

BELLIES.

	Green Sq. Sals.	S.P.	Cured Dry Cured.
6-8	9 1/4	9 1/4	9 1/4
8-10	9 1/4	9 1/4	9 1/4
10-12	9 1/4	9 1/4	9 1/4
12-14	9 1/4	9 1/4	9 1/4
14-16	9 1/4	9 1/4	9 1/4
16-18	9 1/4	9 1/4	9 1/4

*D. S. BELLIES.

	Clear Standard.	Fancy.	Rib
14-16	5 1/4		
16-18	5 1/4		
18-20	5 1/4		
20-22	5 1/4		
22-24	5 1/4		
24-26	5 1/4		
26-28	5 1/4		
28-30	5 1/4		
30-32	5 1/4		
32-34	5 1/4		
34-36	5 1/4		
36-38	5 1/4		
38-40	5 1/4		
40-42	5 1/4		
42-44	5 1/4		
44-46	5 1/4		
46-48	5 1/4		
48-50	5 1/4		
50-52	5 1/4		

*New but fully cured.

D. S. FAT BACKS.

	Standard.	Export Trim.
8-10	4 1/4	4 1/4
10-12	4 1/4	4 1/4
12-14	4 1/4	4 1/4
14-16	4 1/4	4 1/4
16-18	4 1/4	4 1/4
18-20	4 1/4	4 1/4
20-22	4 1/4	4 1/4

OTHER D. S. MEATS.

Extra short clears	35-45	5 1/4 n
Extra short ribs	35-45	5 1/4 n
Regular plates	6-8	5
Clear plates	4-6	3 1/4
Jowl butts		3 1/4
Green square jowls		4 1/4
Green rough jowls		4 1/4

LARD.

Prime steam, cash	4.85
Prime steam, loose	4.62 1/2
Refined, in export boxes—N. Y.	5.17 1/2
Neutral, in tierces	6.37 1/2
Raw leaf	4.62 1/2

PURE VINEGARS

A. P. CALLAHAN & COMPANY

2407 SOUTH LA SALLE STREET

CHICAGO, ILL.

FUTURE PRICES.

SATURDAY, DECEMBER 23, 1933.
No session of Chicago Board of Trade Sat., Dec.
23rd or Mon., Dec. 25th.

Open. High. Low. Close.

TUESDAY, DECEMBER 26, 1933.

	Open.	High.	Low.	Close.
LARD—				
Jan. (Old)	4.75	4.77 1/2	4.70	4.77 1/2 b
May (Old)	5.15	5.25	5.07 1/2	5.25 ax
Dec. (New)	4.57 1/2	4.72 1/2	4.37 1/2	4.72 1/2 b
Jan. (New)	5.02 1/2	5.12 1/2	5.02 1/2	5.12 1/2
May (New)	5.50	5.55	5.42 1/2	5.55 b
July (New)				5.40 b
Sept. (New)	5.60	5.70	5.45	5.70

CLEAR BELLIES—

Jan. (Old)				5.00 b
May (Old)				5.50 b
Dec. (New)				4.90 b
Jan. (New)				5.62 1/2 b
May (New)				6.12 1/2 b

WEDNESDAY, DECEMBER 27, 1933.

	Open.	High.	Low.	Close.
LARD—				
Jan. (Old)	4.75	4.90	4.75	4.90
May (Old)	5.40	5.62 1/2	5.40	5.62 1/2 b
Dec. (New)	4.72 1/2	4.82 1/2	4.72 1/2	4.82 1/2 b
Jan. (New)	5.30	5.50	5.30	5.50
May (New)	5.55	5.67 1/2	5.50	5.67 1/2 b
July (New)	5.50	5.60	5.50	5.60 b
Sept. (New)	5.67 1/2	5.82 1/2	5.65	5.82 1/2

CLEAR BELLIES—

Jan. (Old)	5.07 1/2	5.10	5.07 1/2	5.10 b
May (Old)				5.55 b
Dec. (New)	5.00	5.05	5.00	5.05 b
Jan. (New)	5.65			5.65
May (New)	6.20			6.20 b

THURSDAY, DECEMBER 28, 1933.

	Open.	High.	Low.	Close.
LARD—				
Jan. (Old)	4.92 1/2	4.92 1/2	4.90	4.90 b
May (Old)	5.45	5.62 1/2	5.45	5.47 1/2 ax
Dec. (New)	4.82 1/2	4.82 1/2	4.80	4.80 ax
Jan. (New)	5.27 1/2	5.32 1/2	5.27 1/2	5.30
May (New)	5.67 1/2	5.75	5.67 1/2	5.70
July (New)	5.65			5.65
Sept. (New)	5.82 1/2			5.82 1/2

CLEAR BELLIES—

Jan. (Old)	5.10			5.10 b
May (Old)	5.70			5.70
Dec. (New)				5.05 b
Jan. (New)				5.65 b
May (New)	6.30			6.30 ax

FRIDAY, DECEMBER 29, 1933.

	Open.	High.	Low.	Close.
LARD—				
Jan. (Old)	4.87 1/2	4.92 1/2	4.85	4.85
May (Old)	5.45	5.62 1/2	5.42 1/2	5.42 1/2 ax
Dec. (New)	4.75	4.77 1/2	4.75	4.75
Jan. (New)	5.30	5.35	5.30	5.30 ax
May (New)	5.65	5.70	5.65	5.65
July (New)	5.62 1/2			5.62 1/2 ax
Sept. (New)	5.80	5.80	5.77 1/2	5.77 1/2 ax

CLEAR BELLIES—

Jan. (Old)	5.12 1/2	5.12 1/2	5.10	5.10
May (Old)	5.70			5.70 ax
Dec. (New)				5.05 n
Jan. (New)				5.65 b
May (New)	6.30			6.27 1/2 ax

Key: ax, asked; b, bid; n, nom; —, split.

ANIMAL OILS.

Prime edible lard oil	@ 8
Prime inedible	@ 8 1/4
Headlight	@ 8 1/4
Prime winterstrained	@ 8 1/4
Extra winterstrained	@ 8 1/4
Extra lard oil	@ 8 1/4
Extra No. 1	@ 7 1/4
No. 2 lard oil	@ 7 1/4
Acidless tallow oil	@ 7 1/4
20° neatfoot	@ 6 1/4
Pure neatfoot	@ 6 1/4
Special neatfoot	@ 6 1/4
Extra neatfoot	@ 6 1/4
No. 1 neatfoot	@ 6 1/4

Oil weighs 7 1/2 lbs. per gallon. Barrels contain about 50 gals. each. Prices are for oil in barrels.

SPICES.

(These prices are basis f.o.b. Chicago.)

	Whole.	Ground.
Allspice	8	10
Cinnamon	12	18
Cloves	18	17
Coriander	7	8 1/4
Ginger	7	10
Mace, Banda	47	56
Nutmeg		15 1/2
Pepper, black	10 1/2	13
Pepper, Cayenne	21	21
Pepper, red	15 1/2	18
Pepper, white	15 1/2	18

PORK PRODUCTS EXPORTS.

Exports of pork products from principal ports of the United States during the week ended Dec. 16, 1933:

—Week ended— Jan. 1, 1933 to Dec. 16, Dec. 16, Dec. 9, Dec. 16, 1933. 1932. 1933. 1933.*
M lbs. M lbs. M lbs. M lbs.

HAMS AND SHOULDERS, INCLUDING WILTSHIRES.

	Total	1,080	471	1,271	70,062
To Belgium				5	454
United Kingdom	975	416	1,204	68,291	
Other Europe	23	13	13	727	
Cuba	61	43	25	2,573	
Other countries	21	12	24	4,017	

BACON, INCLUDING CUMBERLANDS.

	Total	814	512	3,498	24,340
To Germany	126	21	214	1,979	
United Kingdom	462	218	2,866	8,533	
Other Europe	222	208	224	7,416	
Cuba		30	32	3,757	
Other countries	4	35	142	2,635	

PICKLED PORK.

	Total	300	82	85	15,485
To United Kingdom	10	19	30	1,188	
Other Europe	3			22	742
Canada	240	20	8	3,683	
Other countries	47	43	22	9,872	

LARD.

	Total	15,446	9,442	13,584	555,032
To Germany	1,096	3,102	4,022	125,062	
Netherlands	519	950	1,905	58,858	
United Kingdom	11,432	4,368	5,214	283,513	
Other Europe	1,125	888	1,164	38,366	
Cuba	167	89	68	9,994	
Other countries	505	45	1,211	39,259	

TOTAL EXPORTS BY PORTS.

	Week ended Dec. 16, 1933.	Hams and shoulders, M lbs.	Bacon, M lbs.	Pickled pork, M lbs.	Lard, M lbs.
Total	1,080	814	300	15,446	
Detroit	221	17		156	
Port Huron	585	112	240	7,920	
Key West	61			47	
New Orleans	21			532	
New York	182	593	13	4,534	
Philadelphia				55	
Baltimore				692	
Mobile				901	
Norfolk				486	

DESTINATION OF EXPORTS.

	Exported to:	Hams and shoulders, M lbs.	Bacon, M lbs.	Lard, M lbs.
United Kingdom (total)		975	462	
Liverpool			694	454
London			176	5
Manchester			19	
Glasgow			14	13
Other United Kingdom			72	10

	Exported to:	Lard, M lbs.
Germany (total)		1,696
Hamburg		1,693
Other		83

*Corrected to October 31, 1933, to include all ports.

†Exports to Europe only.

CURING MATERIALS.

	Cwt.	Sacks.
Nitrite of soda, per 100 lbs. (1 to 4 bbl. delivered.)	\$0.08	
(5 or more bbls. per 100 lbs. delivered.)	8.93	
Salt, refined granulated	6.12 1/2	5.90
Small crystals	7.12 1/2	6.90
Medium crystals	7.50	7.25
Large crystals	7.87 1/2	7.65
Dbl. reld. gran. nitrate of soda	3 1/2	3.25
Salt—		
Granulated, carlots, per ton, f.o.b. Chicago, bulk		\$0.60
Medium, carlots, per ton, f.o.b. Chicago, bulk		9.10
Rock, carlots, per ton, f.o.b. Chicago		8.00
Sugar—		
Raw sugar, 96 baals, f.o.b. New Orleans	@ 8.15	
Second sugar, 90 baals	None	
Syrup testing, 63 to 65 combined sucrose and invert, New York	@ 42	
Standard gran. f.o.b. refiners (2%)	@ 4.30	
Packers' curing sugar, 100 lb. bags, f.o.b. Reserve, La., less 2%	@ 3.90	
Packers' curing sugar, 250 lb. bags, f.o.b. Reserve, La., less 2%	@ 3.80	

CHICAGO MARKET PRICES

WHOLESALE FRESH MEATS.

Carcass Beef.

Prime native steers—	Week ended Dec. 27, 1933.	Cor. week, 1932.
400-600	11 @ 12	12 1/2 @ 13
600-800	9 @ 10 1/2	12 @ 12 1/2
800-1000	8 @ 9	11 1/2 @ 12
Good native steers—		
400-600	9 1/2 @ 10 1/2	11 @ 11 1/2
600-800	8 1/2 @ 9	10 1/2 @ 11
800-1000	7 1/2 @ 8	10 1/2 @ 11
Medium steers—		
400-600	8 @ 9	9 @ 10
600-800	7 1/2 @ 8	8 1/2 @ 9 1/2
800-1000	7 @ 7 1/2	8 @ 9
Heifers, good	8 1/2 @ 9 1/2	9 @ 10
Cows, 400-600	4 1/2 @ 5 1/2	5 @ 6
Hind quarters, choice	14 @ 14	16 1/2 @ 16 1/2
Fore quarters, choice	9 @ 9	9 1/2 @ 9 1/2

Beef Cuts.

Steer loins, prime	@ 16	@ 24
Steer loins, No. 1	@ 15	@ 23
Steer loins, No. 2	@ 14	@ 22
Steer short loins, prime	@ 23	@ 32
Steer short loins, No. 1	@ 21	@ 30
Steer short loins, No. 2	@ 17	@ 23
Steer loin ends, prime	@ 17	@ 23
Steer loin ends, No. 2	@ 12	@ 16
Cow loins	@ 10	@ 10
Cow short loins	@ 11	@ 12
Cow loin ends (hips)	@ 10	@ 10
Steer ribs, prime	@ 14	@ 14
Steer ribs, No. 1	@ 11	@ 17
Steer ribs, No. 2	@ 10	@ 14
Cow ribs, No. 1	@ 7	@ 7
Cow ribs, No. 2	@ 6	@ 6
Steer rounds, No. 1	@ 7 1/2	@ 11
Steer rounds, No. 2	@ 7	@ 9 1/2
Steer chuck, prime	@ 8 1/2	@ 9
Steer chuck, No. 1	@ 5 1/2	@ 7 1/2
Steer chuck, No. 2	@ 5	@ 7
Cow rounds	@ 6	@ 7
Cow chuck	@ 5 1/2	@ 6
Steer plates	@ 5	@ 7 1/2
Medium plates	@ 3	@ 4
Briskets, No. 1	@ 8	@ 11
Steer navel ends	@ 3	@ 4
Cow navel ends	@ 3	@ 4
Fore shanks	@ 5 1/2	@ 8
Hind shanks	@ 4	@ 4
Strip loins, No. 1 bbls.	@ 28	@ 30
Strip loins, No. 2	@ 25	@ 28
Striploin butts, No. 1	@ 17	@ 17
Striploin butts, No. 2	@ 15	@ 14
Beef tenderloins, No. 1	@ 45	@ 40
Beef tenderloins, No. 2	@ 35	@ 35
Bump butts	@ 11	@ 11
Flank steaks	@ 12	@ 16
Shoulder clods	@ 7	@ 7
Hanging tenderloins	@ 5 1/2	@ 5
Insides, green, 6@8 lbs.	@ 8 1/2	@ 10
Insides, green, 5@6 lbs.	@ 7 1/2	@ 7
Knuckles, green, 5@6 lbs.	@ 7 1/2	@ 7 1/2

Beef Products.

Brains (per lb.)	@ 6	@ 6
Hearts	@ 5	@ 4
Tongues	@ 15	@ 14
Sweetbreads	@ 12	@ 12
Ox-tail, per lb.	@ 8	@ 8
Fresh tripe, plain	@ 3 1/2	@ 4
Fresh tripe, H. C.	@ 8	@ 8
Livers	@ 12	@ 12
Kidneys, per lb.	@ 12	@ 7

Veal.

Choice carcass	9 @ 10	8 @ 9
Good carcass	8 @ 9	6 @ 8
Good saddles	9 @ 11	8 @ 12
Good racks	5 @ 8	4 @ 8
Medium racks	3 @ 4	4 @ 5

Veal Products.

Brains, each	@ 7	@ 8
Sweetbreads	@ 35	@ 25
Calf livers	@ 38	@ 25

Lamb.

Choice lambs	@ 13	@ 15
Medium lambs	@ 11	@ 13
Choice saddles	@ 14	@ 16
Medium saddles	@ 12	@ 14
Choice fores	@ 10	@ 12
Medium fores	@ 8	@ 10
Lamb fries, per lb.	@ 25	@ 20
Lamb tongues, per lb.	@ 15	@ 10
Lamb kidneys, per lb.	@ 15	@ 20

Mutton.

Heavy sheep	@ 4	@ 2 1/2
Light sheep	@ 6	@ 6
Heavy saddles	@ 6	@ 4
Light saddles	@ 8	@ 8
Heavy fores	@ 3	@ 2
Light fores	@ 4	@ 4
Mutton legs	@ 9	@ 12
Mutton loins	@ 7	@ 7
Mutton stew	@ 2	@ 2
Sheep tongues, per lb.	@ 9	@ 10
Sheep heads, each	@ 8	@ 8

Fresh Pork, Etc.

Pork loins, 8@10 lbs. av.	@ 11	@ 7 1/2
Picnic shoulders	@ 6 1/2	@ 6 1/2
Skinned shoulders	@ 6	@ 5
Tenderloins	@ 18	@ 20
Spare ribs	@ 6	@ 5
Back fat	@ 6 1/2	@ 6
Boston butts	@ 8	@ 6 1/2
Boneless butts, cellar trim,	2@4	@ 10
Hocks	@ 5 1/2	@ 5 1/2
Tails	@ 5 1/2	@ 4
Neck bones	@ 2	@ 2
Slip bones	@ 5	@ 9
Blade bones	@ 5 1/2	@ 4 1/2
Pigs' feet	@ 2	@ 2 1/2
Kidneys, per lb.	@ 5	@ 3
Livers	@ 3	@ 3
Brains	@ 5	@ 5
Ears	@ 4	@ 3
Snouts	@ 5	@ 3
Heads	@ 4 1/2	@ 3 1/2

DOMESTIC SAUSAGE.

(Quotations cover fancy grades.)

Pork sausage, in 1-lb. cartons	@ 17 1/2
Country style sausage, fresh in link	@ 15 1/2
Country style sausage, fresh in bulk	@ 13 1/2
Country style sausage, smoked	@ 14 1/2
Frankfurts in sheep casings	@ 16 1/2
Frankfurts in hog casings	@ 15 1/2
Bologna in beef bungs, choice	@ 13 1/2
Bologna in beef middles, choice	@ 14 1/2
Liver sausage in beef rounds	@ 12 1/2
Smoked liver sausage in hog bungs	@ 16 1/2
Liver sausage in hog bungs	@ 14 1/2
Head cheese	@ 12 1/2
New England luncheon specialty	@ 16
Mixed luncheon specialty, choice	@ 16
Tongue sausage	@ 20 1/2
Blood sausage	@ 14 1/2
Souse	@ 15 1/2
Pollah sausage	@ 13

DRY SAUSAGE.

Cervelat, choice, in hog bungs	@ 33
Thuringer cervelat	@ 15
Farmer	@ 22
Holsteiner	@ 21
B. C. salami, choice	@ 31
Milano salami, choice, in hog bungs	@ 30
B. C. salami, new condition	@ 15
Picnics, choice, in hog middles	@ 26
Genoa style salami	@ 24
Pepperoni	@ 24
Mortadella, new condition	@ 14
Capicola	@ 21
Italian style hams	@ 28
Virginia hams	@ 26

SAUSAGE MATERIALS.

(F.O.B. CHICAGO, carlot basis.)

Regular pork trimmings	4 @ 4 1/2
Special lean pork trimmings	@ 7 1/2
Extra lean pork trimmings	@ 8 1/2
Pork cheek meat	@ 8 1/2
Pork hearts	2 1/2 @ 3
Pork livers	2 1/2 @ 3
Native boneless bull meat (heavy)	@ 5 1/2
Boneless chucks	@ 4 1/2
Shank meat	@ 4
Beef trimmings	@ 3 1/2
Beef cheeks (trimmings)	@ 2 1/2
Dressed canners, 350 lbs. and up	@ 3 1/2
Dressed cutter cows, 400 lbs. and up	@ 3 1/2
Dr. bologna bulls, 600 lbs. and up	@ 4 1/2
Beef tripe	@ 2 1/2
Pork tongues, canner trim, S.P.	@ 11 1/2

SAUSAGE CASINGS.

(F. O. B. CHICAGO.)

(Prices quoted to manufacturers of sausage.)	
Beef casings:	
Domestic rounds, 180 pack	.39
Domestic rounds, 140 pack	.48
Export rounds, wide	.50
Export rounds, medium	.44
Export rounds, narrow	.53
No. 1 weasands	.12
No. 2 weasands	.07 1/2
No. 1 bungs	.16 @ 11
No. 2 bungs	.10 @ 11
Middles, regular	.140
Middles, select wide, 2@2 1/2 in. diam.	.175
Middles, select, extra wide, 2 1/2 in. and over	.230
Dried bladders:	
12-15 in. wide, flat	.125
10-12 in. wide, flat	.80
8-10 in. wide, flat	.65
6-8 in. wide, flat	.30 @ 35
Hog casings:	
Narrow, per 100 yds.	.220
Narrow, special, per 100 yds.	.185
Medium, regular	.170
Wide, per 100 yds.	.155
Extra wide, per 100 yds.	.170
Export bungs	.25
Large prime bungs	.21
Medium prime bungs	.14
Small prime bungs	.08
Middle, per set	.20
Stomachs	.08

SAUSAGE IN OIL.

Bologna style sausage in beef rounds—	
Small tins, 2 to crate	\$4.50
Large tins, 1 to crate	5.25
Frankfurt style sausage in sheep casings—	
Small tins, 2 to crate	5.50
Large tins, 1 to crate	6.25
Smoked link sausage in hog casings—	
Small tins, 2 to crate	4.75
Large tins, 1 to crate	5.50

DRY SALT MEATS.

Clear bellies, 18@20 lbs.	@ 5 1/2
Clear bellies, 14@16 lbs.	@ 5 1/2
Rib bellies, 25@30 lbs.	@ 5 1/2
Fat backs, 10@12 lbs.	@ 4 1/2
Fat backs, 14@16 lbs.	@ 5 1/2
Regular plates	@ 5 1/2
Butts	@ 4 1/2

WHOLESALE SMOKED MEATS.

Fancy reg. hams, 14@16 lbs.	@ 14
Fancy skd. hams, 14@16 lbs.	@ 14 1/2
Standard reg. hams, 14@16 lbs.	12
Picnics, 4@8 lbs.	@ 10 1/2
Fancy bacon, 6@8 lbs.	@ 18 1/2
Standard bacon, 6@8 lbs.	@ 13
No. 1 beef ham sets, smoked—	
Insides, 8@9 lbs.	@ 25
Outsides, 8@9 lbs.	@ 24
Knuckles, 5@9 lbs.	@ 21
Cooked hams, choice, skin on, fattened	@ 21
Cooked hams, choice, skinless, fattened	@ 21
Cooked picnics, skin on, fattened	@ 21
Cooked picnics, skinless, fattened	@ 21
Cooked loin rolls, smoked	@ 22

BARRELED PORK AND BEEF.

Mess pork, regular	@ 15.50
Family back pork, 24 to 34 pieces	@ 18.00
Family back pork, 35 to 45 pieces	@ 17.00
Clear back pork, 45 to 60 pieces	@ 15.00
Clear plate pork, 25 to 35 pieces	@ 12.00
Brisket pork	@ 15.00
Bean pork	@ 13.00
Plate beef	@ 11.00
Extra plate beef, 200 lb. bbls.	@ 12.00

VINEGAR PICKLED PRODUCTS.

Regular tripe, 200-lb. bbl.	\$12.00
Honeycomb tripe, 200-lb. bbl.	15.00
Pocket honeycomb tripe, 200-lb. bbl.	17.00
Pork feet, 200-lb. bbl.	13.25
Pork tongues, 200-lb. bbl.	33.00
Lamb tongues, short cut, 200-lb. bbl.	35.00

OLEOMARGARINE.

White animal fat margarine in 1-lb. cartons, rolls or prints, f.o.b. Chicago	@ 8 1/2
Nut, 1-lb. cartons, f.o.b. Chicago	@ 7 1/2
Pastry, 60-lb. tubs, f.o.b. Chicago	@ 9 1/2

LARD.

Prime steam, cash, Bd. Trade	@ \$4.85
Prime steam, loose, Bd. Trade	@ 4.62 1/2
Refined lard, tierces, f.o.b. Chicago	@ 6 1/2
Kettie rendered, tierces, f.o.b. Chicago	@ 6
Leaf kettle rendered, tierces, f.o.b. Chicago	@ 6 1/2
Neutral, in tierces, f.o.b. Chicago	@ 6 1/2
Compound, vegetable, tierces, c.a.f.	@ 6 1/2

OLEO OIL AND STEARINE.

Extra oleo oil	@ 5 1/2
Prime No. 1 oleo oil	@ 5 1/2
Prime No. 2 oleo oil	@ 5 1/2
Prime No. 3 oleo oil	@ 4
Prime oleo stearine, edible	@ 4 1/2

TALLOW AND GREASES.

(In Tank Cars or Drums.)

Edible tallow, under 1% acid, 45 titre	3 1/2 @ 3 1/2
Prime packers' tallow	3 1/2 @ 3 1/2
No. 1 tallow, 10% f.f.a.	2 1/2 @ 2 1/2
No. 2 tallow, 40% f.f.a.	2 1/2 @ 2 1/2
Choice white grease	3 @ 3 1/2
A-White grease	2 1/2 @ 3
B-White grease, maximum 5% acid	2 1/2 @ 2 1/2
Yellow grease, 10@15%	2 1/2 @ 2 1/2
Brown grease, 40% f.f.a.	2 1/2 @ 2 1/2

VEGETABLE OILS.

Crude cottonseed oil in tanks, f.o.b.	
Valley points, prompt	@ 3 1/2
White, deodorized, in bbls., f.o.b. Chgo.	5 1/2 @ 5 1/2
Yellow, deodorized	5 1/2 @ 5 1/2
Soybean oil, 50% f.f.a., f.o.b. Chgo.	4 @ 4
Corn oil, in tanks, f.o.b. mills	@ 3 1/2
Soya bean oil, f.o.b. mills	5 @ 6.0
Cocconut oil, seller's tanks, f.o.b. coast	2 1/2 @ 2 1/2
Refined in bbls., f.o.b. Chicago	6 @ 6 1/2

Retail Section

Merchandise Displays

How Dealer Can Increase Attention to Products in the Showcases

By WILLIS PARKER.

Judging from the arrangement and display facilities of the Iowa Pork Shop, Long Beach, Calif., owner G. W. Perry believes it more important to display merchandise than to exhibit the smiling faces of his sales people.

A customer short in stature might not be able to see the man waiting on her, except through loopholes in the rampart of goods piled on the counter cases.

This dealer not only puts piles of merchandise on top of the cases, but he has elevated the cases so that the lowermost parts are high enough to be conveniently viewed by customers.

Sofar as possible he tries to put all merchandise above the spectator's knees, and not higher than the level of the eyes.

The accompanying sketch illustrates front, or corner, entrance, there is a

It will be seen, also, that the floor on which the sales people work is 8 in. higher than the floor on the customers' side. The counter cases have wooden tops so that merchandise may safely be piled upon them. To conserve every bit of display space, the computing scales are placed on shelves that jut out from the cases into the sales people's area. However, merchandise in front of the scales is not piled so high that customers cannot view the dials.

Another feature of the false floor on which the butchers work is that it is so made that there is enough resilience to reduce fatigue. The joists are spaced about 24 in., instead of the customary 16. This allows the floor to give a bit. The flooring, by the way, is laid across the walkway to reduce the danger of slipping.

Quantity Displays Boost Sales.

Tops of the counter cases are 5 ft. above the floor. The customers' space is only 8 ft. wide; the salesmen's area is no wider. But the row of counter cases is 48 ft. long. In addition to a

Most of the counter displays consist of delicatessen types of goods, or seasonal items. And, as an illustration of the efficiency of such merchandising, hundreds of pounds of cheese are sold daily simply by cutting cheeses into approximately 1- and 2-lb. sizes, wrapping them in waxed paper, stacking them on the counter, weighing and pricing them as the customers pick out the pieces they want. Cheese sells fast because of the enormity of the display.

WATCH YOUR MEAT CUTTERS.

The retailer who is interested in costs—and costs are the determining factor in profits—will do well to watch his meat cutters closely, inasmuch as no two men cut meat alike. There is a wide variance in the carcass gross achieved.

One retailer who has been unusually successful in installing uniform, efficient cutting in his market and thereby establishing a more stable cost system, is a firm believer in the holding of cutting tests at frequent intervals.

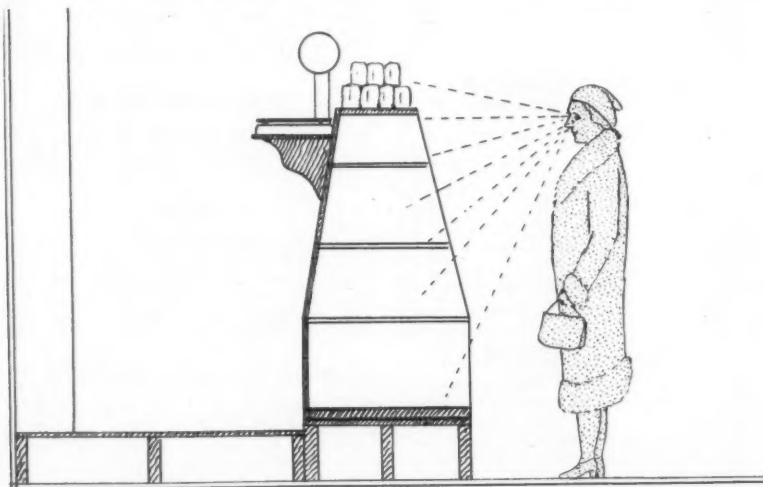
"Until you go thoroughly into the matter you have no idea what a wide variance there can be in the gross cut out of a carcass. One man will cut out \$60 where another will go well over \$100. I have a good cutter and I am going to hold on to him. In fact, I have made his work the standard for my market. I hold frequent cutting tests and check on each meat cutter. It serves to keep his efficiency high.

"Another thing I have done is keep a close watch on trimmings. This keeps a lot of profit from going into the scrap box. If your men know their business, it is a simple thing to educate them on these two important things, cutting and trimming. The right side of your ledger will tell the story."

This dealer also stresses the importance of the best possible refrigeration equipment because of the great savings to be had through the reduction of shrinkage and spoilage.

MEAT IN HOME ECONOMICS.

The past five months have witnessed a steady progress in the home economics educational service of the National Live Stock and Meat Board with headquarters at the Iowa State College at Ames. Subjects being presented in lectures include the following: "This is the way we Cook our Pork," (illustrated with lantern slides), "Meat in the Balanced Diet," "Selection and Preparation of Meat," "Meat in the



INCREASING SHOWCASE HEIGHT INCREASES DISPLAY VISIBILITY.

This sketch shows how the Iowa Pork Shop, Long Beach, Calif., has elevated its showcase 10 in. above the floor so that merchandise in all sections may be viewed more easily by the customer. The floor in the rear of the case is elevated 8 in. to compensate for the increased height of the case.

a cross section of the sales floor, the row of counter cases, and the floor on which the sales people work.

It will be seen from the sketch that the showcases are elevated 10 in. above the floor. This brings the lower part and the merchandise displayed therein sufficiently high as to eliminate the necessity of customers bending over to view the goods.

side entrance which increases the rapidity with which customers move in and out of the place.

Wall shelving behind the butchers contain staple lines of canned and packaged groceries. The salesman follows his customer from one end of the store to the other—from meats to delicatessen, or to fish and poultry, a type of service much appreciated.

Diet of the Pre-School Child," etc. Audiences reached have included womens' clubs, child study groups, home economics students and teachers, dietitians, home service groups, restaurant associations and cooking schools.

Effective use is being made of the radio in disseminating information on meat and meat cookery in connection with these programs. Forty-six radio talks have been presented in the past five months. Every Wednesday is "Meat Recipe Day" on Aunt Jane's program over station WHO-WOC, Des Moines, and each Thursday is "National Live Stock and Meat Board Day" on the Homemaker's Hour over station WOI at Ames, Ia.

MEAT MERCHANDISING PLANS.

Forty cities of 14 states have been scheduled for meat merchandising demonstrations in the months of January, February and March, according to an announcement of the National Live Stock and Meat Board. These demonstrations will feature modern beef, pork and lamb cuts. Lectures will tell of the nutritive value of meat. In order to make the coming three months' campaign as effective as possible the programs have been arranged to present comprehensively essential facts about meat to audiences of retailers, homemakers, students, teachers, service clubs, cooking schools, dietitians and other groups. For the benefit of retail meat dealers, cutting tests will be given and costs and selling prices, as well as methods for effective display, will be discussed.

States on the schedule are: Pennsylvania, West Virginia, Virginia, Ohio, Illinois, Iowa, Nebraska, Kansas, Wisconsin, Tennessee, Georgia, Alabama, Kentucky and South Carolina. The coming campaign follows a fall schedule of meat merchandising demonstrations just completed in 16 states before audiences averaging 1,800 persons.

FOOD CHAIN SALES GAIN.

November sales in food chain stores averaged the best gain over the same month a year ago for any month of 1933. Total sales of certain food chains, exclusive of the largest, for the month were \$47,672,951 as against \$45,776,681 in the same month a year earlier, a gain of 4.1 per cent. The trend of sales in these chains from October to November, however, showed a slight decline amounting to 0.85 to 1 per cent.

A 3.3 per cent increase was reported by National Tea Co. in a comparison of sales for the four weeks ended December 2 with those of the 1932 period. For the forty-eight weeks ended December 2 sales were 4.1 per cent under

those of 1932. On December 2, 1933, the company had 1,306 stores in operation or 7 per cent fewer than a year ago.

Safeway Stores reported sales of \$17,210,537 for the four weeks ended December 2 as against \$16,328,978 in the 1932 period, an increase of 5.4 per cent. Stores in operation were 3,292 against 3,386 last year.

Great Atlantic & Pacific Tea Co. sales for the four weeks ended December 2 showed the smallest decline in comparison with a year ago, with one exception, for any period report in several years. Sales totaling \$77,630,688 were only 1.26 per cent under those of the corresponding 1932 period. The only smaller decrease was for the period ended July 29, 1933. For the 40 weeks ended December 2, sales totaled \$618,662,901, a decrease of 7.9 per cent from those of 1932. Estimated tonnage sales in this period were 3,841,300 as against 4,101,396 a year ago, a decrease of 6.3 per cent.

American Stores Co. sales for the four weeks ended December 2 were 1.40 per cent higher than those of the 1932 period and for the 11 months they were 5.8 per cent lower than a year earlier.

First National Stores sales for the four weeks ended December 2 were 1.6 per cent larger than those of the same period of 1932 while those for the 34 weeks ended November 25 were 2.2 per cent larger than in the same period of 1932.

NEWS OF THE RETAILERS.

The P. H. Butler Company's newest and largest store opened recently at 1032 Market st., Wheeling, W. Va. Ernest Dick is in charge of the meat department.

Extensive alterations are being made to the Teel Grocery and Market, Healdton, Okla. Complete new equipment, including display cases and coolers, will be installed according to E. D. Teel, owner.

John Phillips has purchased the Goodell Meat Market at Coffeetown, Kans. The market had been operated by the Goodell family for nearly a half century.

Paul Goldberg has purchased the Hepperly Market at Norfolk, Neb. He formerly was in business in Sioux City, Iowa.

Orvis Thuma has opened a meat and grocery business in El Dorado, Kan.

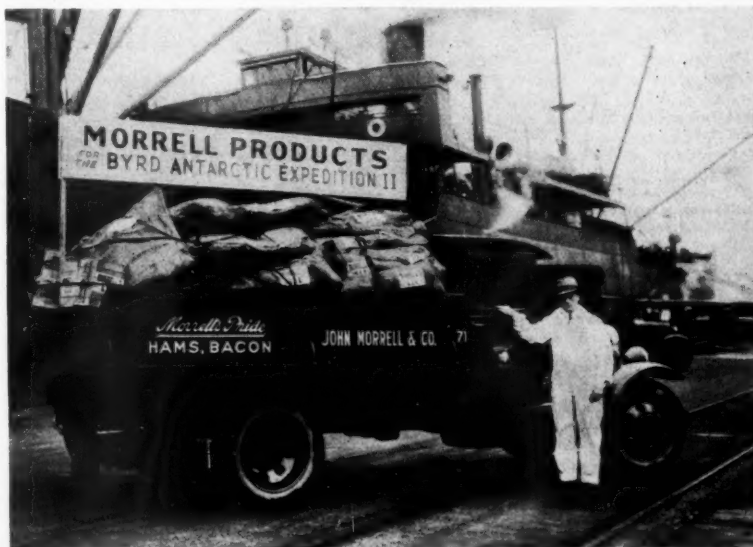
The Big Ben Market opened recently at 18 Bridge st., Glen Cove, N. Y.

Among meat markets recently opened in Milwaukee, Wis., are those of Dulek & Lass, 823 E. Burleigh st., and Harry Glass at 4320 W. Center st.

Achie Conboy has opened a meat market at 1832 E. 42nd st., Minneapolis, Minn.

Wilbur A. McDaniels has opened a meat market at 116 S. Main st., Kokomo, Ind.

H. W. Krause of Neshkora, Wis., has purchased the A. Stiller meat market at Omro, Wis.



MORRELL MEATS WILL HELP TO KEEP BYRD EXPEDITION WELL FED.

Five thousand pounds of the finest frozen beef, 3,000 lbs. of lamb and mutton and 25 cases of pork sausages are on their way to Little America for the use of the members of the Byrd Antarctic Expedition. The meats were furnished by John Morrell & Co., Ottumwa, Ia.

It is the time-honored belief that an expedition into cold climates, like an army, travels on its stomach. Admiral Byrd, therefore, gave close attention to the provisions to be shipped. There are no meat markets or grocery stores on the Bay of Whales and nothing, therefore, must be overlooked. And what is taken must be the finest to be had.

The table at Little America will contain not only a varied and balanced diet to maintain the health and strength of the expedition members, but many strange foods as well, including penguin, whale and seal meat. But for the men who "can't go" the gamier tasting meats there always will be good American roast beef au jus.

This illustration shows the beef about to be hoisted on board the S. S. Jacob Rupert at her dock in Boston. The meats are already en route to Dunedin, New Zealand. After the base of supplies is established the shipment will be taken to Byrd's winter quarters at the Bay of Whales.

AMONG NEW YORK RETAILERS.

Eastern District Branch repeated their Christmas spirited giving, initiated last year to provide Otillie Orphanage with poultry, canned goods and toys, all of which are individual gifts of the various members of this progressive association. Secretary Fred C. Riester called on the members that volunteered to contribute in this work, and for two days did nothing but stop at one butcher shop after the other and pick up turkeys, chickens, smoked meats, grocery items, candies and toys.

Due to increased activity in the Eastern territory it has been necessary for Geo. A. Hormel & Co. to enlarge the New York offices, which are located at 230 Park Avenue. Among recent visitors to the new offices were president Jay C. Hormel, vice president E. N. Sturman and Ross Swickard, dry sausage department.

Members of the New York branches

of retail meat dealers reported very satisfactory turkey sales for the Christmas holidays, at prices slightly higher than those obtained at Thanksgiving.

Ye Olde New York branch will hold its next meeting on January 16, and an interesting program is being planned for that evening.

NEW YORK RETAILERS' GREETING

Anton Hehn, president of the New York State Association of Retail Meat Dealers, Inc., in extending seasonal greetings to the entire meat industry through THE NATIONAL PROVISIONER stated that the year 1933 had been an unusually busy one for the association. Results of the many activities in conjunction with the N. R. A. and the drive for increased membership have been most gratifying and results have been very good. Mr. Hehn looks forward to an early public hearing on the code for the retail meat industry, and

expresses the hope that more retailers will affiliate themselves with the association, as never in the history of business has it been possible for a trade association to be of greater service to its members.

NEW YORK NEWS NOTES.

Thomas W. Bryant, comptroller's office, Wilson & Co., Chicago, was a visitor to New York last week.

Arthur Doyle, produce department, Swift & Company, Chicago, visited New York last week, while W. T. Hurd, produce department, New York, spent several days in Chicago.

Vice president F. A. Benson, in charge of dressed beef, Armour and Company, Chicago, visited in the East last week and also spent a day at the plant of the New York Butchers' Dressed Meat Company.

Meat, fish and poultry seized and destroyed by the health department of the city of New York during the week ended December 23, 1933, were as follows: Meat—Brooklyn, 2,414 lbs.; Manhattan, 1,968 lbs.; Queens, 18 lbs.; total, 4,400 lbs. Fish—Brooklyn, 4 lbs. Poultry—Manhattan, 104 lbs.; Queens, 16 lbs.; total, 120 lbs.

INDUSTRY ACCIDENT RECORD.

Thirty-five plants of member companies of the Institute of American Meat Packers operated during November without a lost-time accident, and either retained or received Institute safety award pennants. Among these was the plant of the Interstate Packing Co., Winona, Minn., which has operated 23 months without a lost-time accident.

Number of plants operating during November without an accident was three more than in October, five more than in September and eight more than in August. Although still short of the record for April of this year when 44 plants operated during the month without a lost-time accident, steady improvement is being shown.

The average accident-frequency rate for all plants reporting for November was 21. The accident frequency rate for November, 1932, was also 21. This is the first time in six months that the frequency rate has been as low as for the corresponding month last year.

MEAT INSPECTION CHANGES.

Changes in the federal meat inspection service are reported officially as follows:

Inspection granted.—Geo. A. Hormel & Co., 1229 Sixth ave. S., Seattle, Wash.

Inspection withdrawn.—Armour and Company, 43-59 Long Wharf, Newport, R. I.; H. L. Handy Co., 41 Hamden st., Springfield, Mass.; Guggenheim Bros., Inc., Forty-sixth st. and Packers ave., Chicago, Ill.; New York State Packing Co., Inc., South Kortright, N. Y.

Inspection extended.—New Bedford Linguica and Chourico Co., New Bedford, Mass., to include Fragozo Linguica Co.

Change in name.—New York Meat Packing Co., 646 Bergen ave., New York, N. Y., instead of Miguel Jaume, Inc.

WHOLESALE DRESSED MEAT PRICES.

Wholesale prices of Western dressed meats quoted by the U. S. Bureau of Agricultural Economics at Chicago and Eastern markets on Dec. 28, 1933:

	CHICAGO.	BOSTON.	NEW YORK.	PHILA.
Fresh Beef:				
STEERS (1 (300-500 LBS.):				
Choice	\$10.00@11.00			
Good	8.00@10.00		\$8.50@9.50	
Medium	5.50@8.00		6.50@8.50	
Common	5.00@5.50		5.50@6.50	
STEERS (500-600 LBS.):				
Choice	9.00@10.00		10.00@10.50	10.00@10.50
Good	7.00@9.00		8.50@10.00	9.00@10.00
Medium	5.50@7.00		6.50@8.50	6.50@8.00
Common	5.00@5.50		5.50@6.50	5.00@6.00
STEERS (600-700 LBS.):				
Choice	8.00@9.00		9.50@10.00	9.00@10.00
Good	7.00@8.00		8.50@9.50	8.00@9.00
Medium	6.00@7.00	8.50@7.50	6.50@8.50	6.50@8.00
STEERS (700 LBS. UP):				
Choice	8.00@8.50	8.50@9.50	9.00@9.50	8.00@9.00
Good	7.00@8.00	7.50@8.50	8.00@9.00	7.50@8.50
COWS:				
Good	5.50@6.50	6.00@6.50	6.50@7.00	6.00@7.00
Medium	4.50@5.50	5.50@6.00	5.50@6.50	5.00@6.00
Common	3.75@4.50	5.00@5.50	5.00@5.50	4.50@5.00
Fresh Veal and Calf Carcasses:				
VEAL (2):				
Choice	8.00@9.00	9.00@10.00	8.50@10.50	8.00@9.00
Good	7.00@8.00	7.50@9.00	7.50@8.50	7.00@8.00
Medium	6.00@7.00	6.00@7.50	6.50@7.50	6.00@7.00
Common	5.00@6.00	5.00@6.00	6.00@6.50	5.00@6.00
Fresh Lamb and Mutton:				
LAMB (38 LBS. DOWN):				
Choice	11.00@12.00	12.50@13.00	13.00@14.00	13.00@14.00
Good	10.00@11.00	11.50@12.50	12.00@13.00	12.00@13.00
Medium	9.00@10.00	10.50@11.50	11.00@12.50	11.00@12.00
Common	8.00@9.00	9.00@10.50		
LAMB (39-45 LBS.):				
Choice	11.00@12.00	12.50@13.00	12.50@13.00	13.00@14.00
Good	10.00@11.00	11.50@12.50	11.50@12.50	12.00@13.00
Medium	9.00@10.00	10.50@11.50	11.00@12.00	11.00@12.00
Common	8.00@9.00	9.00@10.50		
LAMB (46-55 LBS.):				
Choice	9.50@10.50	10.00@12.00	11.50@12.50	11.50@12.50
Good	9.00@10.00	9.50@11.50	10.50@11.50	10.50@11.50
YEARLINGS (46-55 LBS.):				
Choice				
Good				
Medium				
MUTTON (EWE) 70 LBS. DOWN:				
Good	5.00@6.00	6.00@7.00	6.00@7.00	6.00@6.50
Medium	3.50@5.00	5.00@6.00	5.00@6.00	5.50@6.00
Common	2.50@3.50	4.00@5.00	4.00@5.00	5.00@5.50
Fresh Pork Cuts:				
LOINS:				
8-10 lbs. av.	9.50@11.00	10.50@11.00	9.50@11.00	10.00@11.00
10-12 lbs. av.	9.50@11.00	10.50@11.00	9.50@10.50	10.00@11.00
12-15 lbs. av.	9.00@10.50	10.00@11.00	9.00@10.00	9.50@10.50
16-22 lbs. av.	8.50@9.00	9.00@10.00	8.00@9.50	9.00@10.00
SHOULDERS, N. Y. STYLE, SKINNED:				
8-12 lbs. av.	6.00@7.00		7.50@9.00	7.00@8.00
PICNICS:				
6-8 lbs. av.		7.00@7.50		7.00@7.50
BUTTS, BOSTON STYLE:				
4-8 lbs. av.	7.00@8.00		8.50@10.00	9.00@10.00
SPARE RIBS:				
Half sheets	5.00@7.00			
TRIMMINGS:				
Regular	4.00@4.50			
Lean	7.00@8.50			

(1) Includes heifer 450 lbs. down at Chicago. (2) Includes "skins on" at New York and Chicago.

(3) Includes sides at Boston and Philadelphia.

A Page for Purchasing Departments

SPEEDS UP STRAPPING.

Steelstrapper, a new box strapping tool which automatic seal feed, has been developed recently by the Acme Steel Co., Chicago, Ill. It is said to greatly increase the speed of box strapping operations.

"Doc. Steelstrap" — Acme's astute physician for curing expensive shipping ills—states that Steelstrapper is a kit of tools in one. It tensions the steel strap, applies a seal, seals the joint and cuts the strap from the coil. Operations are controlled from the two ball-tipped levers. The left hand ten-

ing losses and unsatisfactory performance.

To enable the buyer, after making a careful survey of any specific hauling problem, to select the truck best suited to the job and to specify the proper gear ratios and tire sizes to insure satisfactory performance ability, Reo transportation engineers devised and have recently improved a truck performance slide rule.

Based on the same factors that the trained engineer must take into account, the rule indicates instantly the safe, economical load, pulling capacity, hill or grade climbing ability in the different gears, and safe maximum road speed for any motor truck or tractor-trailer combination for which engine and power unit chassis specifications are known. Engine power or torque, axle and transmission gear ratios and tire sizes all receive proper consideration in solving any problem.

One side of the rule, which is of convenient pocket size, is printed in black and is used for load pulling and grade climbing determinations. The other, printed in red, is used for speed calculations. The operation is extremely simple, the directions being clearly printed on the rule.

In addition to aiding in selection of new equipment the slide rule enables the fleet owner to check the fitness of the equipment he is using to his hauling problems. Frequently it points out clearly the causes of poor operating economy and other operating difficulties and enables the operator to make changes that will effect economies, or select new equipment ideally suited to his individual needs.

PROTECTION FOR BEARINGS.

For protecting motor-driven and other types of rotating machines from breakdowns due to overheated bearings the Electric Controller & Mfg. Co., Cleveland, O., announces the EC&M bearing thermostat. This is suitable for use in connection with automatic pumping stations, motor driven fans, automatic electric substations, conveyor systems, refrigerating machines, compressors, etc.

This thermostat is compact and of simple construction. It consists of a sealed metallic tube containing a volatile liquid which is connected, directly or through flexible copper tubing, to a one-piece metal bellows. Electrical contacts are silver and are of double break, quick-make and quick-break construction. A rise in temperature of the bearing of a rotating machine causes the volatile liquid to expand and generate pressure in the bulb. This pressure, in turn, is transmitted to the bellows, causing the contacts to open and shut down the machine.

Bearing thermostats are shipped to operate at 100 degs. centigrade. They can be adjusted in the field to operate at 15 per cent above or below this value. Proper operation of the thermostat is obtained with the bulb or relay installed in any suitable position, either upright, horizontal or inverted.

STAINLESS CLAD STEEL.

A folder has just been issued by the Ingersoll Steel & Disc Co., a division of the Borg-Warner Corp., Chicago., illustrating many applications of IngO-clad stainless clad steel. This piece of new literature contains installation views of tanks, pressure vessels, auto-claves, evaporators and many applications of stainless clad steel for automobile trim, counter tops, cooking utensils, etc., which indicates a wide use of the material in many different industries. The text and descriptive matter in the folder deals with the application of IngO-clad in almost every phase of the metal working and process industries where the corrosion resistance and sanitation of stainless steel is desired, combined with the low cost of the fabricated product.

REDUCER GIVES ANY SPEED.

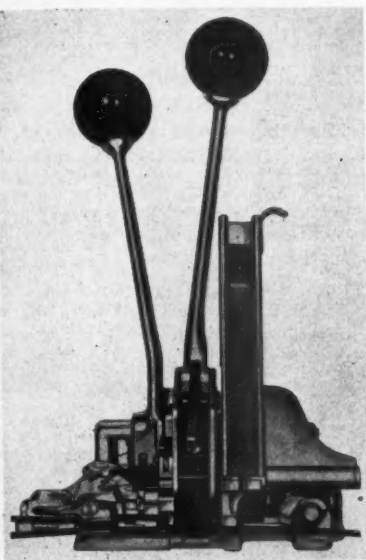
General electrification of meat plants and use of individual motor drive generally has increased the use for speed reducers for operating equipment. And as the use of these devices has grown, improvements in design and construction increasing useful life and reliability have been made.

One of the latest developments in speed reducers is a product of the Smith Power Transmission Co., Cleveland, O. It has a speed range from zero to 240 r.p.m. Operation is by the over-running clutch principle. Speed changes to the driven shaft are accomplished by changing the stroke of the five arms attached to the one-way clutches. This change is made by a simple variable throw crankshaft arrangement controlled by a hand lever. The capacity of the unit ranges up from 1 h.p.

FLUE GAS LOSSES.

Improper combustion of fuel is one of the greatest single losses in the meat packing power plant. Partial combustion of coal can result in losses of as much as 10,150 B.t.u. per pound of fuel. Excess air is the chief cause of this loss. Percentage of CO₂ in the flue gases is a true index of the percentage of fuel loss through improper combustion. The CO₂ recorder, therefore, is one of the most important aids in keeping boiler efficiency high. It quickly indicates holes in the fire bed, improper damper adjustment, broken down baffles and other bad conditions.

A table showing the preventable fuel loss for each per cent of CO₂ in the flue gas is an interesting and valuable detail of a new broadside describing and illustrating the line of electric recording CO₂ meters of the Brown Instrument Co., Philadelphia, Pa. There are also given the experiences of many companies with the meters. Copies of the broadside may be secured from the company.



SEALS APPLIED AUTOMATICALLY.

This strapping tool is similar in general design and construction to the familiar strapper used in many meat plant shipping rooms except that it is equipped for automatic seal feed. The magazine holds 100 seals.

The strapping tool is similar in general design and construction to the familiar strapper used in many meat plant shipping rooms except that it is equipped for automatic seal feed. The magazine holds 100 seals.

Automatically feeding the seals makes uninterrupted operation possible and speeds up strapping operations.

FIT TRUCK TO HAULING JOB.

Selecting the correct truck and equipment for a definite hauling job has long been looked upon as a problem for the transportation engineer. Proper gear ratios, tire sizes, wheelbases and other features must be specified to insure maximum economy, performance and satisfaction.

In the past many trucks have been selected largely by guess-work. Capacity has been specified merely by tonnage rating and principal body dimensions. This "hit-or-miss" method has frequently been responsible, Reo transportation engineers say, for heavy operat-

NEW YORK MARKET PRICES

LIVE CATTLE.

Steers	.....	\$ 4.00@ 4.70
Cows, common to medium	.....	2.50@ 3.25
Bulls, common to medium	.....	2.50@ 3.75

LIVE CALVES.

Vealers, good to choice	.....	\$ 7.00@ 7.75
Vealers, medium	.....	5.25@ 6.25
Vealers, common	.....	3.25@ 4.25

LIVE LAMBS.

Lambs, good to choice	.....	\$ 7.50@ 8.25
Lambs, medium	.....	6.50@ 7.00
Lambs, common	.....	1.00@ 3.00

LIVE HOGS.

Hogs, 190 lbs.	.....	@ \$4.10
Hogs, 245 lbs.	@ 3.80
Hogs, heavy	@ 3.60

DRESSED HOGS.

Hogs, 90-140 lbs., good to choice	\$ 6.75@ 7.00
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DRESSED BEEF.

CITY DRESSED.

Choice, native, heavy	@ \$11
Choice, native, light	@ \$11
Native, common to fair	@ 8

WESTERN DRESSED BEEF.

Native steers, 600@800 lbs.	.....	@ \$10
Native choice yearlings, 440@600 lbs.	.....	@ \$10 1/2
Good to choice heifers	.....	@ 9
Good to choice cows	.....	@ 8
Common to fair cows	.....	@ 6
Fresh bologna bulls	.....	@ 6

BEEF CUTS.

	Western.	City.
No. 1 ribs	.....14 @15	14 @16
No. 2 ribs	.....12 @14	12 @14
No. 3 ribs	.....10 @12	10 @12
No. 1 loins	.....16 @20	20 @22
No. 2 loins	.....14 @15	14 @16
No. 3 loins	.....10 @12	12 @14
No. 1 hinds and ribs	.....10 1/2 @13 1/2	10 @14
No. 2 hinds and ribs	.....9 @10	9 @11
No. 1 rounds	.....8 @9	8 @10
No. 2 rounds	.....8 @8 1/2	8 @9
No. 3 rounds	.....7 @7 1/2	7 1/2 @8
No. 1 chuck	.....8 @9	8 @10
No. 2 chuck	.....8 @8 1/2	8 @9
No. 3 chuck	.....6 @7 1/2	6 @8
Bolognas	.....8 1/2 @9	6 @7
Rolls, reg. 6@8 lbs. avg.	.....22 @23	22 @23
Rolls, reg. 4@6 lbs. avg.	.....17 @18	17 @18
Tenderloins, 4@6 lbs. avg.	.....30 @30	30 @30
Tenderloins, 6@8 lbs. avg.	.....50 @50	50 @50
Shoulder clods	.....11 @12	11 @12

DRESSED VEAL.

Good	.....	@ \$10
Medium	.....	@ 8
Common	.....	@ 6

DRESSED SHEEP AND LAMBS.

Lambs, prime to choice	.....	@ \$13
Lambs, good	.....	@ \$12
Lambs, medium	.....	@ \$11
Lambs, common	.....	@ \$10
Sheep, good	.....	@ 8
Sheep, medium	.....	@ 6

FRESH PORK CUTS.

Pork loins, fresh, Western, 10@12 lbs.	.....	0 1/2 @ 10 1/2
Pork tenderloins, fresh	.....	23 @24
Pork tenderloins, frozen	.....	18 @20
Shoulders, Western, 10@12 lbs. avg.	.....	7 @8
Butts, boneless, Western	.....	@ 9
Butts, regular, Western	.....	@ 10
Hams, Western, fresh, 10@12 lbs. avg.	.....	11 @12
Picnic hams, Western, fresh, 6@8 lbs.	.....	@ 9
Pork trimmings, extra lean	.....	@ \$11
Pork trimmings, regular 50% lean	.....	@ 6 1/2
Spareribs	.....	@ 7

SMOKED MEATS.

Hams, 6@12 lbs. avg.	.....	13 1/2 @ 14 1/2
Hams, 10@12 lbs. avg.	.....	13 1/2 @ 14 1/2
Hams, 12@14 lbs. avg.	.....	14 @ 15
Picnics, 4@6 lbs. avg.	.....	9 1/2 @ 10 1/2
Picnics, 6@8 lbs. avg.	.....	9 1/2 @ 10 1/2
City pickled bellies, 8@10 lbs. avg.	.....	11 1/2 @ 12 1/2
Bacon, boneless, Western	.....	15 1/2 @ 16 1/2
Bacon, boneless, city	.....	14 1/2 @ 15 1/2
Rollettes, 8@10 lbs. avg.	.....	12 1/2 @ 13 1/2
Beef tongue, light	.....	@ 28
Beef tongue, heavy	.....	@ 24

FANCY MEATS.

Fresh steer tongues, untrimmed	.....	15c a pound
Fresh steer tongues, l. c. trim'd	.....	30c a pound
Sweetbreads, beef	.....	30c a pound
Sweetbreads, veal	.....	60c a pair
Beef kidneys	.....	8c a pound
Mutton kidneys	.....	10c a pound
Livers, beef	.....	25c a pound
Oxtails	.....	15c a pound
Beef hanging tenders	.....	20c a pound
Lamb fries	.....	10c a pair

BUTCHERS' FAT.

Shop fat	.....	@ .50 per cwt.
Breast fat	.....	@ .75 per cwt.
Edible suet	.....	@ 1.25 per cwt.
Inedible suet	.....	@ 1.00 per cwt.

GREEN CALFSKINS.

	5-9	9-12	12-14	14-18	18 up
Prime No. 1 veals	1.05	2.05	2.10	2.35
Prime No. 2 veals	1.80	1.90	1.95	2.10
Buttermilk No. 1	1.70	1.80	1.85	.....
Buttermilk No. 2	1.60	1.70	1.75	.....
Branded scrubby	8	1.00	1.10	1.25
Number 3	8	1.00	1.10	1.25

BUTTER.

Creamery, extras (91 score)	.....	@ 20
Creamery, firsts (91 score)	.....	@ 19 1/2
Centralized (90 score)	.....	@ 19 1/2

EGGS.

(Mixed Colors.)

Special packs or henner selections	.....	@ 26 1/2
Standards	.....	@ 24
Firsts	.....	@ 21

LIVE POULTRY.

Fowls, colored, via express	.....	@ 14
Fowls, Leghorns	.....	@ 12
Chickens, Rocks	.....	@ 15

DRESSED POULTRY.

FRESH KILLED.

Fowls—fresh—dry pkd.—12 to box—		
Western, 60 to 65 lbs. to dozen, lb.	.....	@ 16
Western, 48 to 54 lbs. to dozen, lb.	.....	@ 15
Western, 43 to 47 lbs. to dozen, lb.	.....	@ 14
Western, 38 to 42 lbs. to dozen, lb.	.....	@ 13
Western, 30 to 35 lbs. to dozen, lb.	.....	@ 12
Chickens—fresh—dry pkd.—12 to box—		
Western, 60 to 65 lbs. to dozen, lb.	.....	@ 18
Western, 48 to 54 lbs. to dozen, lb.	.....	@ 16
Western, 43 to 47 lbs. to dozen, lb.	.....	@ 15
Western, 38 to 42 lbs. to dozen, lb.	.....	@ 14
Western, 30 to 35 lbs. to dozen, lb.	.....	@ 13 1/2
Ducks—		
Long Island	.....	@ 15
Squabs—		
White, ungraded, per lb.	.....	@ 45
Turkeys, No. 1—		
Young toms	.....	@ 25
Young hens	.....	@ 24
Fowls, frozen—dry pkd.—12 to box—		
Western, 60 to 65 lbs. per lb.	.....	@ 16
Western, 48 to 54 lbs. per lb.	.....	@ 15
Western, 43 to 47 lbs. per lb.	.....	@ 14

BUTTER AT FOUR MARKETS.

Wholesale prices of butter at Chicago, New York, Boston and Philadelphia, week ended Dec. 21, 1933:					
	Scores	93	92	90	88
Chicago	16½-17½	16½	15½	14½
New York	19-19½	18½	18	17
Boston	—	19	18	16½
Phila.	20	19½	18	17
Wholesale price carlots—fresh centralized butter—90 score at Chicago:					
	Score	90	89	88	
Chicago	16½	15½	14½	
New York	18	17½	17	
Boston	—	—	—	
Phila.	—	—	—	

Receipts of butter by cities (tubs):				
	This week.	Last week.	Last — Since Jan. 1, 1933.	1932.
Chicago	29,945	46,276	29,838	3,516,820
N. Y.	58,316	65,597	53,390	3,964,505
Boston	13,204	14,654	14,010	1,228,065
Phila.	15,024	20,510	19,525	1,240,163
Total	114,489	147,037	116,763	9,950,243

Cold storage movement (lbs.):				
	In	Out	On hand	Same week day last year.
Chicago	236,492	189,264	54,311,273	7,301,089
N. Y.	134,622	589,692	10,127,928	2,047,194
Boston	28,521	49,890	2,407,846	1,802,523
Phila.	5,400	60,557	841,826	525,185
Total	405,335	879,173	76,688,375	10,975,731

FERTILIZER MATERIALS.

BASIS NEW YORK DELIVERY.

Ammoniates.	
Ammonium sulphate, bulk, per ton	.....
basic vessel Atlantic ports:	.....
January	.....
Ammonium sulphate, double bags,	.....
per 100 lbs., f.a.s. New York	@ nom.
Blood dried, 16% per unit	@ 2.50
Fish scrap, dried, 11% ammonia,	.....
10% B. P. L. f.o.b. fish factory	2.00 @ 10c
Fish guano, foreign, 13@14% am-	.....
monia, 10% B. P. L.	2.75 @ 10c
Fish scrap, acidulated, 6% ammo-	.....
nia, 3% A.P.A. Del'd Balt. &	.....
Norfolk	@ nom.
Soda nitrate, per net ton	@ 23.90
in 25-lb. bags	@ 25.20
in 100-lb. bags	@ 25.50
Tankage, ground, 10% ammonia,	.....
15% B. P. L. bulk	2.35 @ 10c
Tankage, unground, 9@10% ammo-	.....
nia	2.25 @ 10c
Phosphates.	
Foreign bone meal, steamed, 3 and	.....
50 bags, per ton c.i.f.	@ 25.00
Bone meal, raw, South American,	.....
4 1/2 and 50 bags, per ton, c.i.f.	@ 25.00
Superphosphate, bulk, f.o.b. Balti-	.....
more, per ton, 16% flat	@ 8.00
Fotash.	
Manure salt, 80% bulk, per ton	@ 19.15
Kalnit, 14% bulk, per ton	@ 9.70
Muriate in bags, per ton	@ 27.15
Sulphate in bags, per ton	@ 42.15
Less discount 2 1/2% January	.....
shipment	.....
Dry Rendered Tankage.	
50% unground	@ 40
60% ground	@ 45

BONES, HOOFES AND HORNS.

Round shin bones, avg. 48 to 50 lbs.,	.....	75.00 @ 85.00
per 100 pieces	.....	.....
Flat shin bones, avg. 40 to 45 lbs.,	.....	@ 65.00
per 100 pieces	.....	.....
Black or striped hoofs, per ton	.....	45.00 @ 50.00
White hoofs, per ton	.....	@ 75.00
Thigh bones, avg. 85 to 90 lbs., per	.....	@ 70.00
100 pieces	.....	.....
Horns, according to grade	.....	75.00 @ 200.00

NEW YORK MEAT SUPPLIES.

Receipts of Western dressed meats and local slaughters under federal inspection at New York, for week ended Dec. 23, 1933, with comparisons:

	Week ended Dec. 23.	Prev. week.	Cor. week, 1932.
West. drsd. meats:			
Steers, carcasses	8,633	11,061	6,000
Cows, carcasses	554	848	716 1/2
Bulls, carcasses	55	236	158
Veals, carcasses	10,734	14,324	7,355
Lambs, carcasses	35,435	33,988	25,995
Mutton, carcasses	1,586	1,318	1,554
Beef cuts, lbs.	740,610	714,206	454,430
Pork cuts, lbs.	2,682,789	2,556,235	2,499,826
Local slaughters:			
Cattle	9,722	9,425	8,106
Calves	13,743	13,520	10,377
Hogs	63,374	58,134	61,275
Sheep	58,410	61,324	65,680

PHILADELPHIA MEAT SUPPLIES.

Receipts of Western dressed meats and local slaughters under city and federal inspection at Philadelphia for the week ended December 23, 1933:

	Week ended Dec. 23.	Prev. week.	Cor. week, 1932.
West. drsd. meats:			
Steers, carcasses	2,757	3,087	1,657
Cows, carcasses	884	1,032	897
Bulls, carcasses	304	245	1,374
Veals, carcasses	1,834	2,135	1,174
Lambs, carcasses	12,106	13,410	10,941
Mutton, carcasses	451	310	730
Pork, lbs.	430,007	461,322	695,949
Local slaughters:			
Cattle	1,582	1,795	1,616
Calves	2,506	2,833	3,029
Hogs	13,615	22,498	23,240
Sheep	5,243	6,707	5,696

BOSTON MEAT SUPPLIES.

Receipts of Western dressed meats at Boston, week ended Dec. 23, 1933, with comparisons:

	Week ended Dec. 23.	Prev. week.	Cor. week, 1932.
West. drsd. meats:			
Steers, carcasses	2,703	3,016	1,735
Cows, carcasses	1,915	1,729	1,489
Bulls, carcasses	22	15	28
Veals, carcasses	1,200	1,169	701
Lambs, carcasses	20,187	22,651	16,945
Mutton, carcasses	1,155	407	583
Pork, lbs.	390,431	424,824	415,032

UNITED DRESSED BEEF COMPANY J. J. HARRINGTON & COMPANY City Dressed Beef, Lamb and Veal, Poultry

Oleo Oils
Stearine
Tallow

Stock Foods
Calf Heads
Cracklings

Pulled Wool
Pickled Skins
Packer Hides

Calf Skins
Horns
Cattle Switches

Selected Beef and Sheep Casings
NEW YORK CITY

43rd & 44th Streets
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Successors to WOLF, SAYER & HELLER, INC.

SAUSAGE CASINGS

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Phone—Pulaski 3260

HARRY LEVI & CO.

Importers and Exporters of

Sausage Casings

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OPPENHEIMER CASING CO.

Importers and Exporters of

SAUSAGE CASINGS

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Correspondence Invited

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HOG BEEF SHEEP
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Buenos Aires

Hamburg

PATIENT

Sewed Casings

Manufactured Under Sol May Methods

by the Pioneers
of Sewed Sausage Casings

PATENT Casing Company

617-23 West 24th Place

Chicago, Illinois

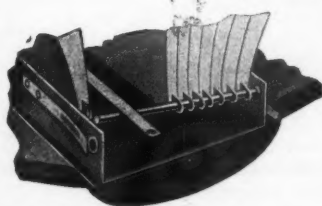
Hog Bungs

Hog Bung Ends

Beef Middles

Rounds

Bladders



No key, nothing to unscrew. Just slip them in place and they stay there until you want to take them out, and that is just as easy.

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which is as simple as filing letters in the most ordinary file. The New Binder has the appearance of a regular bound book. The cover is of cloth board and the name is stamped in gold. The Binder makes a substantially-bound volume that will be a valuable part of your office equipment or a handsome addition to your library.

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Send your order today, to

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Dearborn St.

Chicago, Ill.

CLASSIFIED ADVERTISEMENTS

Advertisements on this page, \$3.00 an inch for each insertion. Position Wanted, special rate, \$2.00 an inch for each insertion. Minimum Space 1 inch, not over 46 words, including signature or box number. No display. Remittance must be sent with order.

Position Wanted

Working Sausage Foreman

A-1 sausagemaker now available for permanent position. Several years' experience on all kinds of sausage; also curing hams and bacon and hog killing and cutting. Knows costs, can handle men and is capable of supervising medium or small packinghouse. Excellent references. W-451, The National Provisioner, 407 S. Dearborn St., Chicago.

Sausage Specialist

Position wanted as sausage superintendent or foreman by first-class man with several years' practical experience manufacturing quality sausage and meat products, finest delicatessen and meat loaves. Best references. Willing to go anywhere. W-442, The National Provisioner, 407 S. Dearborn St., Chicago, Ill.

First-Class Sausagemaker

Position wanted by first-class sausage-maker, large or small plant. Can make any kind of sausage; also kill, cure or do any work in packinghouse. Will go anywhere and guarantee results. W-445, The National Provisioner, 407 S. Dearborn St., Chicago, Ill.

Your Sausage Troubles

Do you have trouble with your sausage and meat specialties? Cure? Seasoning? Shrinkage? Color? Smoking troubles? Keeping qualities? I can solve your difficulties for you. Write W-200, THE NATIONAL PROVISIONER, 407 S. Dearborn St., Chicago.

Men Wanted

Sausagemaker

Wanted, good sausagemaker who can produce high quality sausage and is real foreman. None other need apply. Furnish references as to ability and character in first letter. Permanent position for right man. W-452, The National Provisioner, 407 S. Dearborn St., Chicago, Ill.

Equipment for Sale

Ham Pump and Bacon Skinner

For sale, one Griffith Big Boy electric ham pump, practically new, used only once or twice, perfect condition. Also one Calvert bacon skinner, practically new, A-1 condition. FS-453, The National Provisioner, 300 Madison Ave., New York City.

Rendering Equipment

For sale, Recessed Filter Presses, all sizes; Lard Rolls; Dopp Jacketed Kettles; Hammer Mills; Disintegrators; Melters; Cookers; Mixers; Ice Machines; Boilers; Pumps; etc. Send for latest bulletin. What machinery have you for sale? CONSOLIDATED PRODUCTS CO., INC. 14-19 Park Row, New York City.

Packinghouse Machinery

For sale, reconditioned machinery of every description from single machine to machinery for complete packing plant. Guaranteed in A-1 condition. Write Menges, Manges, Inc., 1515 N. Grand Blvd., St. Louis, Mo.

Make your wants known through these little ads, with the big pull.

Equipment Wanted

Hog Scraper

Wanted, Baby "Boss" or 10X hog scraper. Must be in good condition and price must be low. W-449, THE NATIONAL PROVISIONER, 407 S. Dearborn St., Chicago, Ill.

Plants for Lease

Provision Plant for Lease

For lease, ideal small provision plant in Bronx market with service including cold air, steam and electricity. Equipped with 2 smokehouses, cooler 12 x 15 feet and cooler 30 x 50 feet. Under government inspection. Apply Lawrence Fox, 99 Hudson St., New York City.

Sell Surplus Equipment

The classified columns of THE NATIONAL PROVISIONER offer a quick, resultful method of selling equipment you no longer need at negligible cost. Turn space-wasting old equipment into cash. List the items you wish to dispose of and send them in. THE NATIONAL PROVISIONER classified columns will find a buyer for them.

MEAT BAGS
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STOCKINETTE
COTTON

E.S. HALSTED & CO., Inc.
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Joseph Wahlman. Dept. Mgr.
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Makers of Quality Bags Since 1876

THE CUDAHY PACKING CO.

Importers and Exporters of

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Backus Baskets for Delivering Meats



Easily cleaned

Sanitary

Light enough
to reduce
deadweight

Strong enough
to stand
the knocks!

A. BACKUS, JR. & SONS

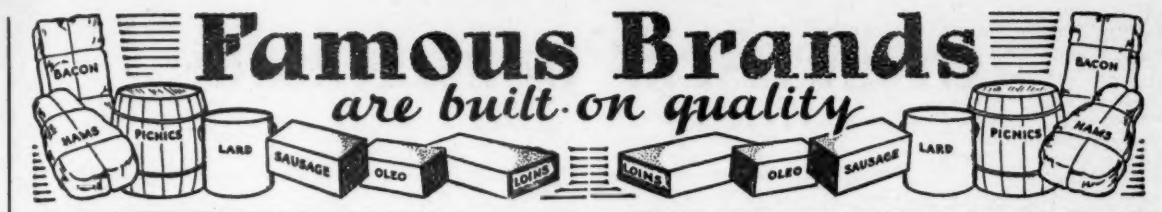
1522 W. Fort St., Detroit, Mich.

GEO. H. JACKLE

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Tankage, Blood, Bones, Cracklings, Bonemeal,
Hoof and Horn Meal

Chrysler Bldg., 405 Lexington Ave., New York City



HORMEL

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Main Office and Packing Plant at Austin, Minnesota

Pittsburgh Provision & Packing Co.

BEEF AND PORK PACKERS

MANUFACTURERS OF

Oleo Oils, Oleo Stearine, Tallow, Greases, Beef Casings, Fertilizers, etc.
Crescent Brand Hams, Lard, Breakfast Bacon

THE CELEBRATED BRAND IRISH HAMS AND BREAKFAST BACON

Union Stock Yards
PITTSBURGH, PA.



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Buffalo, N. Y.



Philadelphia Scrapple a Specialty
John J. Felin & Co., Inc.

4142-60 Germantown Ave., Philadelphia, Pa.

New York Branch: 407-409 West 13th Street

Hams
Bacon
Lard
Delicatessen



14 Plants
Strategically Located

HONEY BRAND

Hams — Bacon

Spiced Ham

Luncheon Meat

Pork

Beef

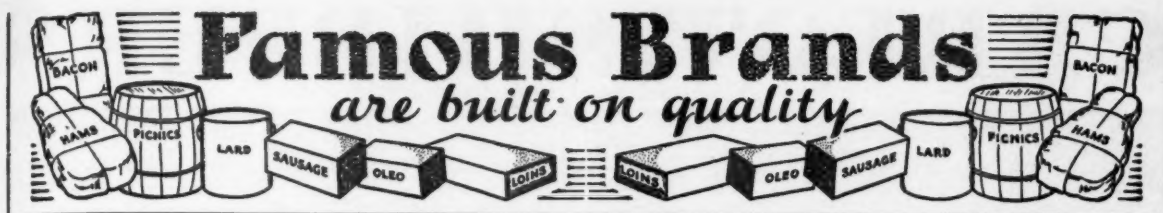
Veal

Lamb

Sausage Specialties

Hygrade Food Products Corporation

3830 S. Morgan St., Chicago, Ill.



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"Since 1827"

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Beef, Pork
Veal, Mutton
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Price Quality Service

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DRESSED BEEF
BONELESS BEEF and VEAL
Carlots *Barrel Lots*



Schenk Bros.

Managers

TASTIEST!

Because Capital Brand Hams and Bacon have such fine flavor—they are always in favor

The Columbus Packing Co.

PORK AND BEEF PACKERS

Columbus, Ohio

New York Office: 410 W. 14th St.

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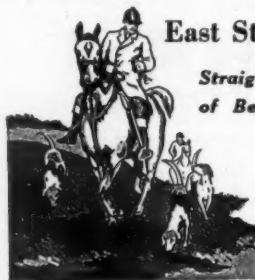
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